SEALSYSTEMS
THE DIGITAL PAPER FACTORY

PAD Configuration Quick and Easy

User Manual

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SEAL Systems

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Contents

1 Introduction ... 1
1.1 Conventions ... 2
1.1.1 Typographical Conventions ... 2
1.1.2 Pictograms ... 2
1.1.3 Figures ... 3
1.1.4 Cross References ... 3
1.2 Overview of the Contents ... 4
2 Prerequisites for PAD KonfigTool ... 5
3 Starting PAD KonfigTool ... 6
4 Basic Handling ... 8
4.1 Interface and Components of PAD KonfigTool ... 9
4.2 Assignment of Menu Items to Key Combinations ... 10
4.3 Selecting Table Rows and Columns ... 11
4.4 Changing Table Elements ... 12
4.5 Searching and Replacing ... 13
4.6 Saving Changes ... 14
5 Updating an Existent Configuration ... 15
6 Configuring a PLOSSYS netdome Server ... 16
6.1 Adding a PLOSSYS netdome Server to the PAD Configuration ... 17
6.2 Removing a PLOSSYS netdome Server from the PAD Configuration ... 22
6.3 Changing the Name of a PLOSSYS netdome Server ... 24
6.4 Changing the Displayed Name of a PLOSSYS netdome Server ... 26
6.5 Configuring *-Update in PAD ... 27
6.6 Configuring a Load Balancing Server ... 28
6.7 Configuring a Failover Server ... 29
6.8 Registering Jobs at the Infoserver ... 30
7 Customizing Job Parameters ... 31
7.1 Description Table ... 33
7.2 Layout Table ... 37
7.3 Adding a New Job Parameter for the Job Generation View ... 39
7.4 Adding a New Job Parameter for the Job Information View ... 42
7.5 Changing a Job Parameter ... 43
7.6 Removing a Job Parameter ... 44
8 Initializing the Personal Printer List and the Default Printer ... 45
9 Setting Window Properties ... 47
10 Customizing Text Items ... 49
10.1 Inserting or Changing Single Text Items ... 50
10.2 Configuring New Language ... 51
10.3 Inserting All Text Items for a New Language ... 53
10.3.1 Exporting Text Items to a Text File ... 53
10.3.2 Importing Text Items from a Text File ... 55
11 Optimizing PAD ... 56
11.1 Removing Languages ... 57
11.2 Restricting Number of Sent Jobs ... 58
11.3 Activating Internal Transmission via FRANS ... 59
Appendix A Overview of the PAD-Tables ... 60

1 Introduction

configure PAD

PAD KonfigTool program assists you while configuring PAD. The program provides a graphical user interface for this. The settings are saved in the global PAD configuration file `global_pad.cfg`.

PAD KonfigTool is based on JAVA and available both on UNIX and Windows systems.

This documentation describes the most important steps in order to customize PAD using PAD KonfigTool. It is intended for use mainly by administrators.

1.1 Conventions

path information

The path information given in this manual is relative to the installation directory of PAD. This is usually the home directory of the user `plossys`. The path information is given in UNIX notation for the most part. Except when otherwise declared, this notation is equal to the notation under Windows.

1.1.1 Typographical Conventions

The following table lists the typographical conventions employed in this documentation for file names, paths, variables, etc.

Typographical Convention	Description
`Courier`	File names, paths, commands, key terms, special values, short scripts and examples
`Courier italic`	Parameters; variables that must be replaced by current values
`Courier small`	More extensive scripts and examples

Table 1-1: Typographical Conventions Employed in this Documentation

1.1.2 Pictograms

As an aid for understanding, warnings and tips are indicated by a pictogram on the margin. The following table lists all these pictograms and their meanings.

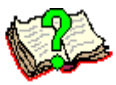
Pictogram	Meaning
	Handling tips and tricks
	Warning! Pay particular attention here.
	Application example
	Step-by-step instruction
	Command
	Reference to a source with additional information

Table 1-2: Pictograms Employed in this Documentation

1.1.3 Figures

Some of the figures used in this documentation describe step-by-step procedures needed to achieve a specific goal. In such cases, sequentially numbered symbols such as ① will be positioned on the left margin. The number symbols refer to the individual steps which are highlighted in the figure itself by a frame and a reference text. To clarify the sequence, the reference text starts with the number of the step to which it refers.

The text describing the figure generally employs the number symbols to provide a reference to the step being discussed.

1.1.4 Cross References

Sometimes cross references to other chapters are necessary but interrupt the reading. In this case, the cross references are hidden in footnotes[1] at the end of the page, to provide the necessary information in the printed document.

For PDF documents, the glasses symbol[2] is available in addition to the footnote. Click the symbol to move directly to the corresponding page.

If this kind of cross references appears within a table, the footnote is displayed directly below the table, above the table labelling.

1. Chapter 1.1.4, *Cross References*, page 3
2. Chapter 1.1.4, *Cross References*, page 3

1.2 Overview of the Contents

This documentation deals with the following topics:

Chapter 2, *Prerequisites for PAD KonfigTool*, page 5, shows the system prerequisites of PAD KonfigTool and the directories and files belonging to the program.

Chapter 3, *Starting PAD KonfigTool*, page 6, specifies the steps that are necessary to start PAD KonfigTool.

Chapter 4, *Basic Handling*, page 8, contains general information about the handling of PAD KonfigTool. For example, this describes which parts can be found in the interface of PAD KonfigTool and how table rows and columns can be selected and copied. This chapter is recommended for all users who are handling PAD KonfigTool for the first time.

Chapter 5, *Updating an Existent Configuration*, page 15, explains the procedure of updating an already customized PAD configuration file `global_pad.cfg` without loss of your settings.

Chapter 6, *Configuring a PLOSSYS netdome Server*, page 16, deals with the configuration of a PLOSSYS netdome server in PAD for using the output devices of this server. Also you will find here the procedure to remove an already configured PLOSSYS netdome server from the PAD configuration.

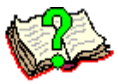
Chapter 7, *Customizing Job Parameters*, page 31, describes the job parameters handling procedures. At first, the general structure of the PAD tables which contain information about the job parameters is explained.

In Chapter 8, *Initializing the Personal Printer List and the Default Printer*, page 45, you will learn how to initialize a personal printer list and the default printer therein.

Chapter 9, *Setting Window Properties*, page 47, describes the location and the format of saving the window properties for the next PAD call up.

In Chapter 10, *Customizing Text Items*, page 49, you will find the procedures of inserting and changing text items that appear in the PAD user interface as headings of the table column or as labels in the parameter window. Also you will learn how to integrate complete new languages.

Chapter 11, *Optimizing PAD*, page 56, shows the possibilities to optimize working with PAD.



Appendix A, *Overview of the PAD-Tables*, page 60, offers an overview of all PAD tables in `global_pad.cfg`. For a detailed description refer to [PAD_TEC].

For an easier overview, a table of figures, table of tables, terminology list, bibliography, and index are included at the end of the documentation.

2 Prerequisites for PAD KonfigTool

JAVA runtime environment

In order to run PAD KonfigTool a JAVA runtime environment is mandatory. It is included in the installation package of PAD and is filed in the PLOSSYS netdome directory `tools/java`.

`tools/padcfg-tool`

PAD KonfigTool consists of the program `konfigtool.jar` and other files, see Table 2-1. They are located in the PLOSSYS netdome directory `tools/padcf-gtool`.

File	Description
`config`	Script for starting on UNIX systems
`config.bat`	Script for starting on Windows systems
`jctable-classes.zip`	JAVA classes for the table presentation
`konfigtool.jar`	Program PAD KonfigTool
`*.pl`	Miscellaneous scripts for the automatic update of the PAD configuration file.

Table 2-1: Files Contained in the PAD KonfigTool Installation

3 Starting PAD KonfigTool

The following command starts PAD KonfigTool:

```
padconfig
```

This alias executes the script `config` on UNIX systems and `config.bat` on Windows systems.

After starting PAD KonfigTool it is always necessary to open the PAD configuration file which is to be customized. Usually it is the global PAD configuration file `global_pad.cfg` in the PLOSSYS netdome directory `clients/pad`.

`global_pad.cfg`

For this, proceed as described below, see Figure 3-1:

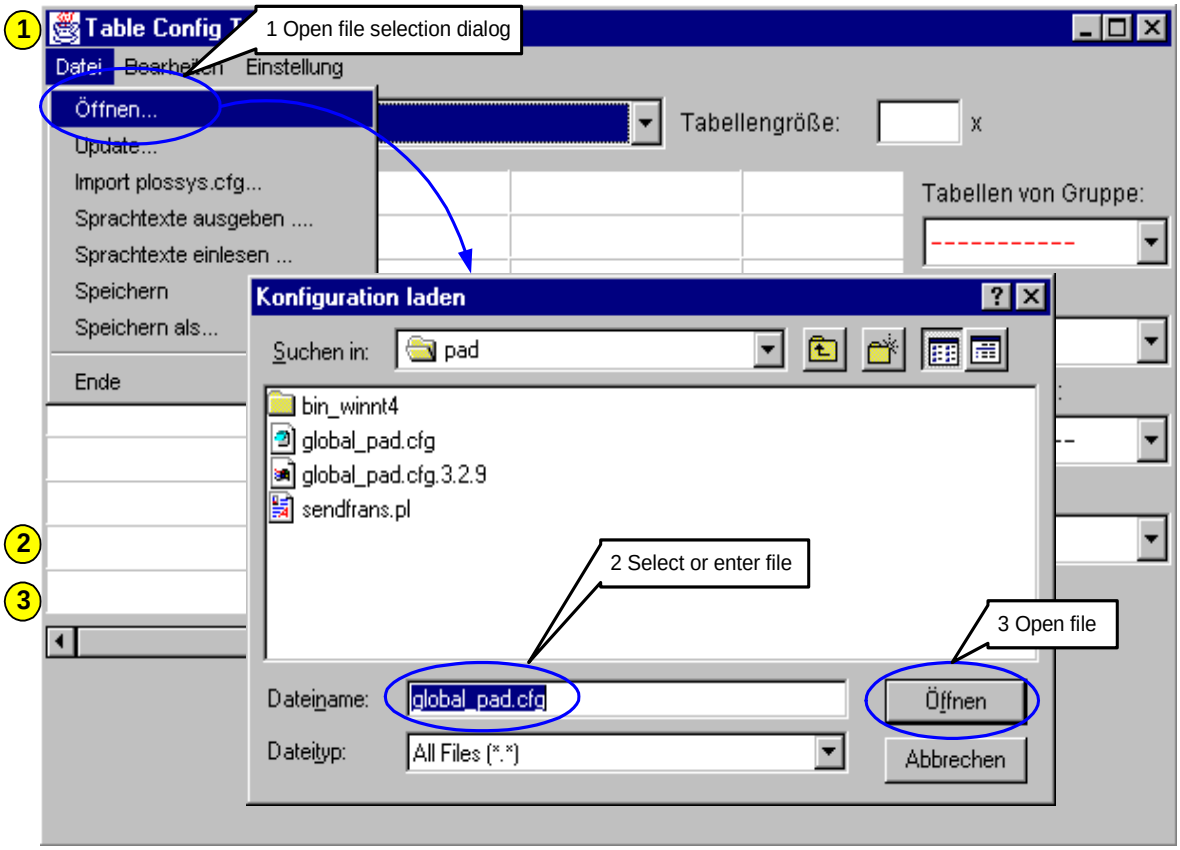


Figure 3-1: Opening Global PAD Configuration File `global_pad.cfg`

1. Choose `Datei` → `Öffnen...` (engl.: `File` → `Open...`). The file selection dialog will be opened.
2. Select the desired configuration file or enter the name of the file in the text field `Dateiname` (engl.: `file name`). The file `global_pad.cfg` in the `clients/pad` directory is preset.
3. Click `Öffnen` (engl.: `Open`). The configuration file will be read and the file selection dialog will be closed.

PAD KonfigTool is now correctly initialized and ready for the actual configuration.

4 Basic Handling

The handling of PAD KonfigTool on Windows systems is much more user friendly than on UNIX systems. Therefore use PAD KonfigTool on Windows systems if possible.

The current version of PAD KonfigTool is only available in German. In this documentation the English translations of menu items, table names, etc. are put in brackets.

4.1 Interface and Components of PAD KonfigTool

In Figure 4-1 the interface of PAD KonfigTool and its components are shown.

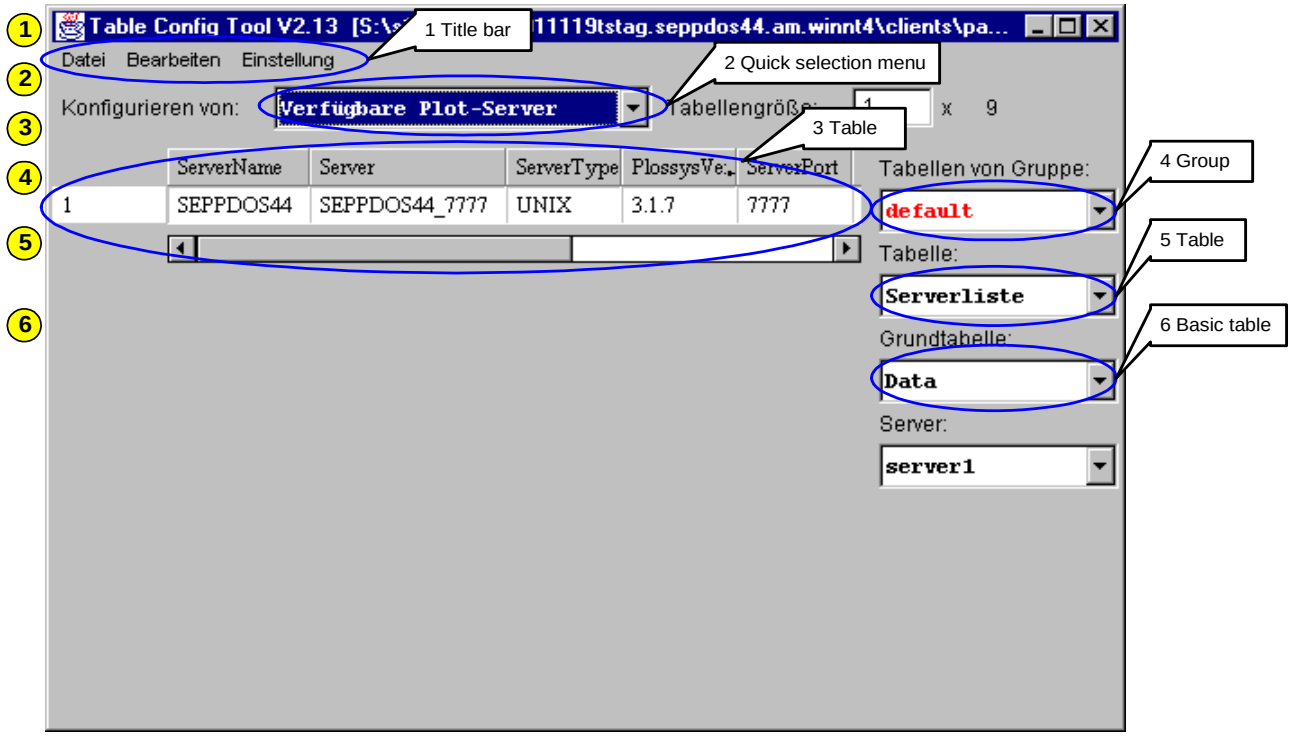


Figure 4-1: Interface and Components of PAD KonfigTool

1. Title bar

2. Option menu `Konfigurieren von:` (engl.: `Configuration of`) quick selection menu for the PAD tables. Here the most important PAD tables can be chosen. Alternatively you choose a PAD table among all available PAD tables via the two option menus `Tabelle` (engl.: `Table`) and `Grundtabelle` (engl.: `Basic table`) on the right. Selecting another entry in the quick selection menu updates the content of the fields `Tabelle` and `Grundtabelle` automatically.

3. Table

4. Option menu `Tabellen von Gruppe` (engl.: `Tables of group`): choice of the user group which the PAD tables apply to.

5. Option menu `Tabelle` (engl.: `Table`): lists all PAD tables[a].

6. Option menu `Grundtabelle` (engl.: `Basic table`): each PAD table consists of three basic tables: Description, data and layout. Choose the basic table that you want to edit via option menu `Grundtabelle`.

a. Appendix A, *Overview of the PAD-Tables*, page 60

4.2 Assignment of Menu Items to Key Combinations

Some functions can be called using a key combination instead of a menu item, see Table 4-1:

Menu Item	Key Combination
`Bearbeiten → Ersetzen` (engl.: `Edit → Replace`)	`Ctrl+H`
`Bearbeiten → Zeilen löschen` (engl.: `Edit → Delete lines`)	`Ctrl+D`
`Bearbeiten → Kopieren` (engl.: `Edit → Copy`)	`Ctrl+C`
`Bearbeiten → Einfügen` (engl.: `Edit → Paste`)	`Ctrl+V`
`Bearbeiten → Neue Zeile` (engl.: `Edit → New line`)	`Ctrl+N`

Table 4-1: Assignment of Menu Items to Key Combinations

4.3 Selecting Table Rows and Columns

The table rows are numbered in the first column, see Figure 4-2, ①. line number

In order to select an entire table row, click in the line number field using the right or left mouse button. Afterwards, the entire table row will be highlighted, ②. table rows

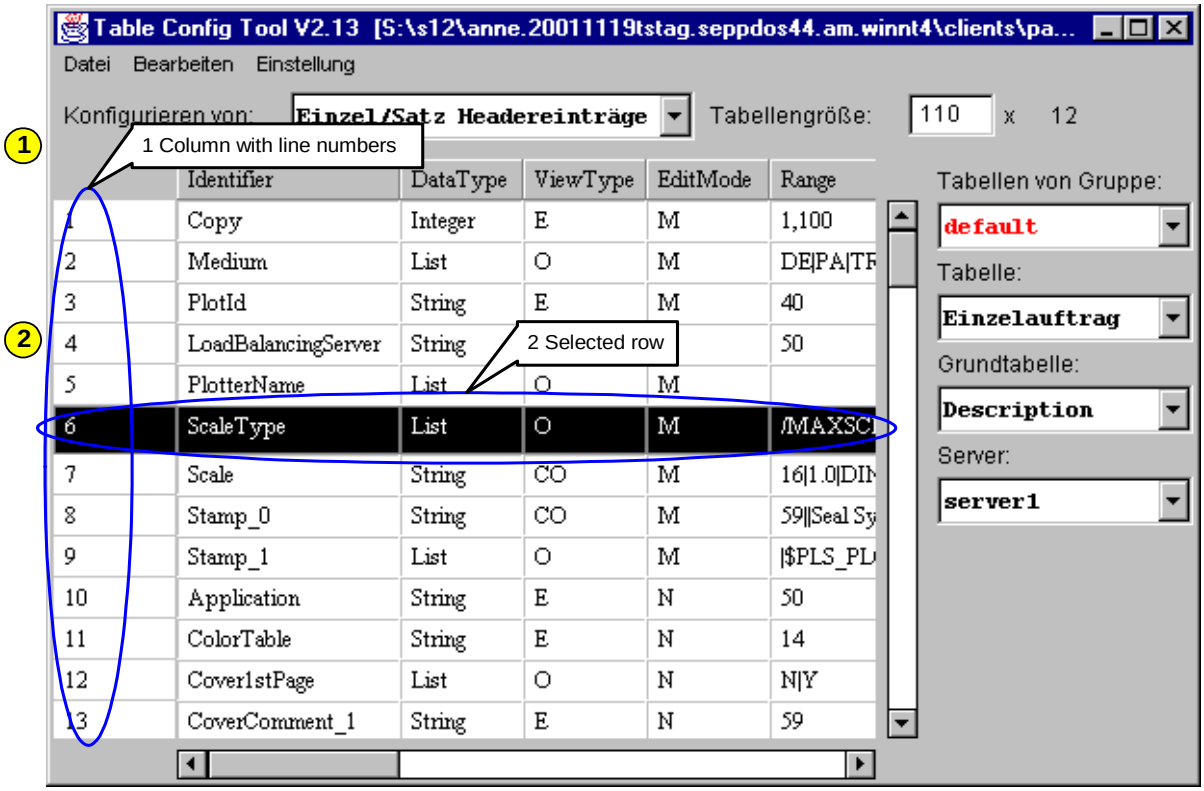


Figure 4-2: Example of a Selected Table Row

In order to mark more than one row, select the first row as described above and while holding the mouse button, pull the mouse pointer to the last row, which is to be marked. Alternatively you can select the first row and afterwards the last row while pressing the shift-key simultaneously. multi-selection

Multi-selection is only possible when the rows are contiguous. Multi-selection of non-contiguous rows via `Ctrl`-key is not supported!

The procedure for selecting table columns is analog apart from that you have to click the heading of the table column instead of the line number. table columns

In order to select parts of the table, click a table field with the right or left mouse button and while holding the mouse button pull the mouse pointer over the area which is to be selected. After releasing the mouse button the area will be highlighted. parts of the table

4.4 Changing Table Elements

The elements of the tables are either edit fields or option menus providing several configured entries to choose from. To input a new text or to select an other entry, click the relevant table element with the right or left mouse button.

edit field

When changing an edit field, the table element is ready for input when it displays a thick frame and the mouse pointer has changed to a blinking input cursor.

After entering a new text always press the return-key to adopt the changes.

option menu

When using an option menu, the list of configured elements is opened by clicking the field a second time, see Figure 4-3, (1). Click the desired element in the list in order to activate it and to close the option menu.

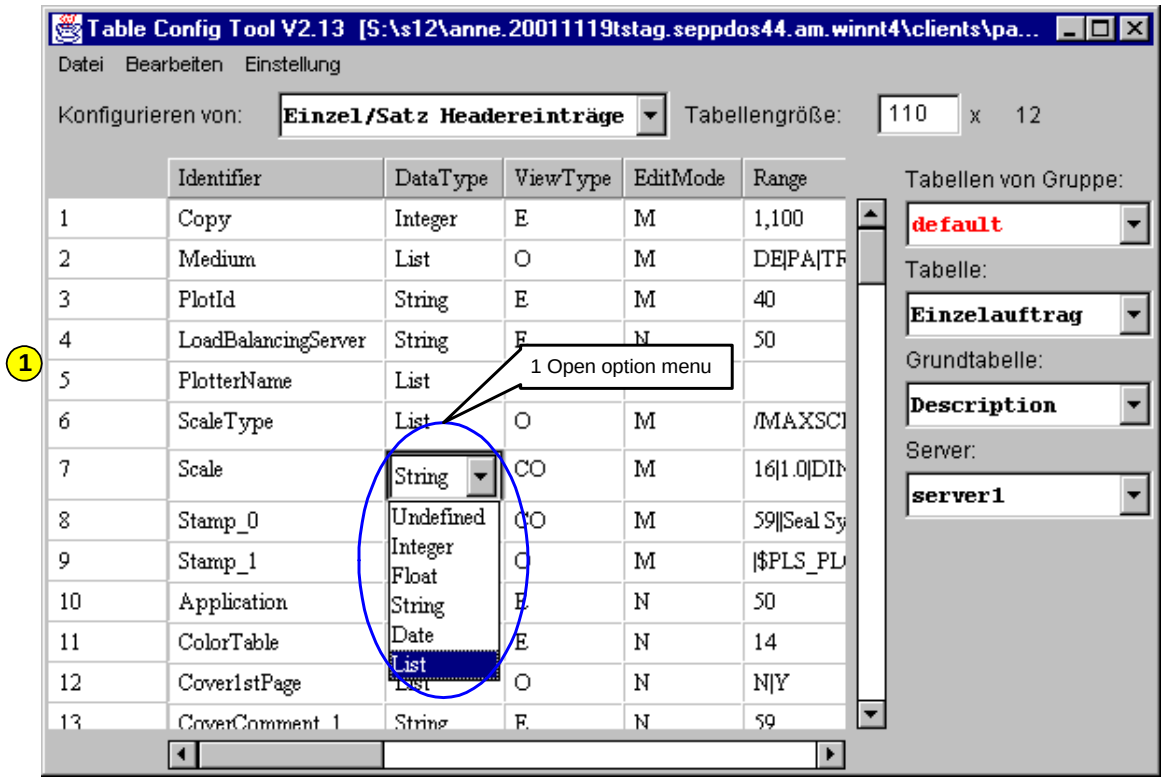


Figure 4-3: Example of an Opened Option Menu in a Table Element

4.5 Searching and Replacing

Using `Bearbeiten` → `Ersetzen` (engl.: `Edit` → `Replace`) a dialog is opened to search for a string in a selected area (use button: `Im Bereich`) or the complete table (use button: `In Tabelle`) and to replace it with another, see Figure 4-4.

If you leave the field `Ersetzen durch`: (engl.: `Replace by`) blank, each successful search result will be automatically replaced by a blank!

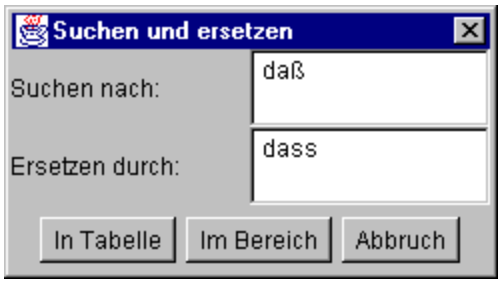


Figure 4-4: Dialog `Suchen und ersetzen` (engl.: `Search and replace`)

4.6 Saving Changes

save explicit

In order to save the changes in the global PAD configuration file `global_pad.cfg` which is currently open, explicitly choose `Datei` → `Speichern` (engl.: `File` → `Save`).

When closing PAD KonfigTool you are not asked to save your changes. Any changes made will be lost unless previously saved!

5 Updating an Existent Configuration

In order to update a global PAD configuration file `global_pad.cfg` which already has been customized by the user to a higher version, proceed as described below, see Figure 5-1:

customized

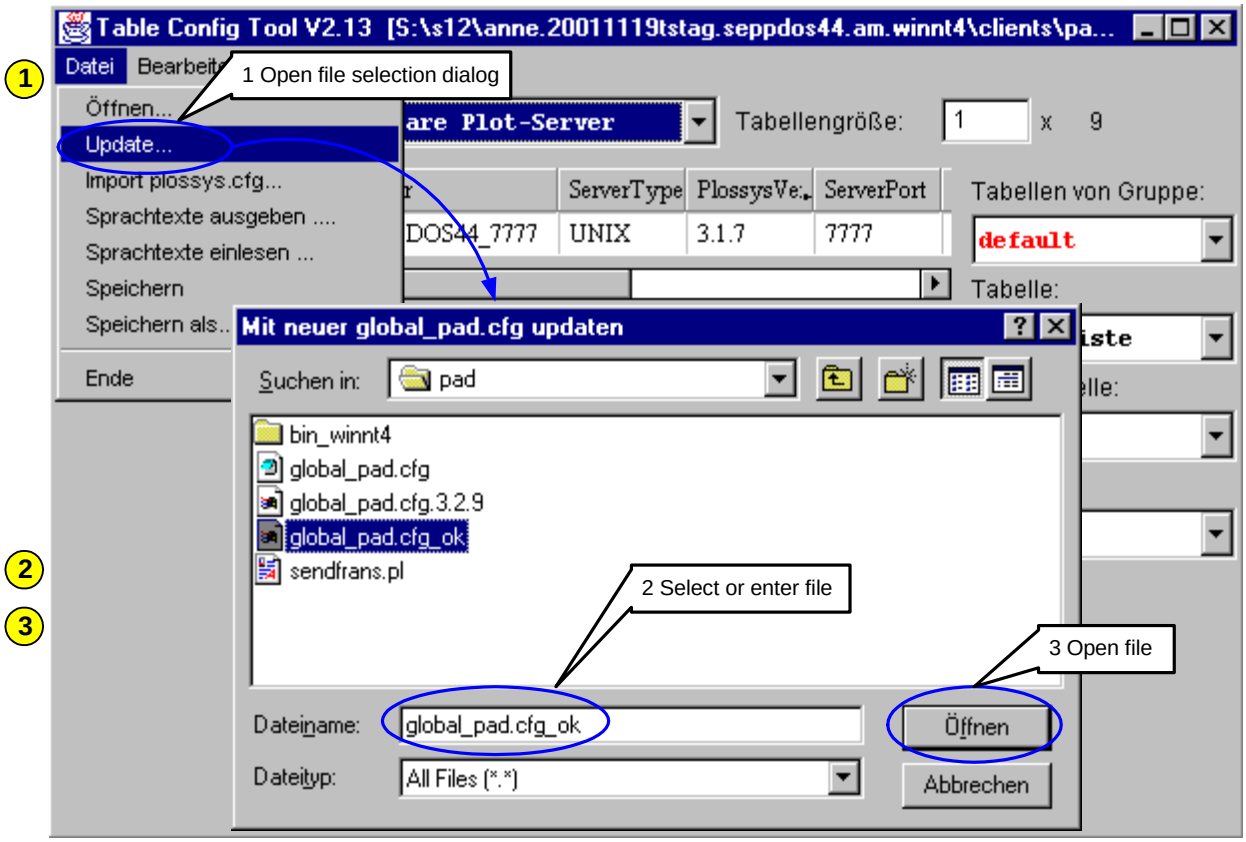


Figure 5-1: Updating an Existing `global_pad.cfg`

Open the customized global PAD configuration file.

1. Choose `Datei` → `Update...` (engl.: `File` → `Update...`).
2. Select the new configuration file or enter the name of this file in the text field `Dateiname` (engl.: `file name`). This file must be used as delivered.
3. Click `Öffnen` (engl.: `Open`). The configuration file is read and the file selection dialog is closed.

text items

The text items of the newer `global_pad.cfg` will be appended to the end of the table containing the text items in the updated `global_pad.cfg`. Text items that already exist in the old `global_pad.cfg`, are not changed during the update. Therefore, the user specific settings are maintained.

6 Configuring a PLOSSYS netdome Server

data table

For the configuration of PLOSSYS netdome server only the data table is relevant. The description and layout tables do not have to be changed.

translation

The entries in `Server` and `ServerName` are not translated via the language table even if they are entered as keywords there.

6.1 Adding a PLOSSYS netdome Server to the PAD Configuration

If PAD is configured for the first time, no server data exists in the configuration. Check this as described below, see Figure 6-1:

initial configuration

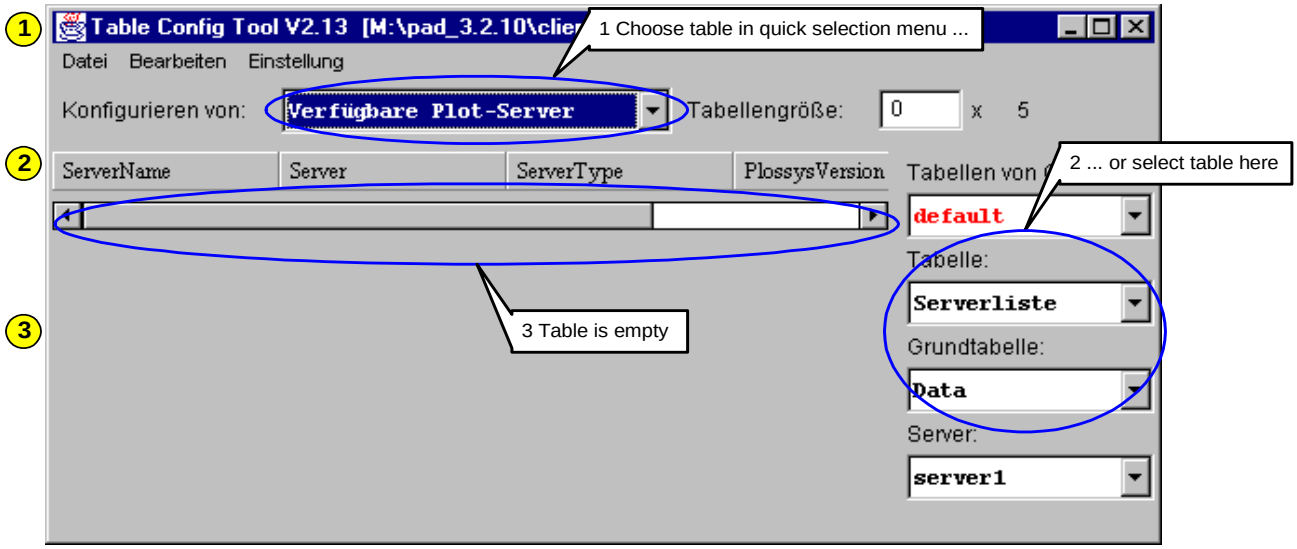


Figure 6-1: PAD Table 2 `Serverliste` (engl.: `Server list`) if no Server Is Configured

1. In the quick selection menu, choose `Verfügbare Plot-Server` (engl.: `Available plot servers`).
2. Alternatively, choose `Serverliste` (engl.: `Server list`) in the option menu `Tabelle` (engl.: `Table`) and `Data` in the option menu `Grundtabelle` (engl.: `Basic table`).
3. The table has no entry. Only the headings can be seen and 0 is displayed as a number of lines in the field `Tabellengröße` (engl.: `Table size`).

`plossys.cfg`

Each PLOSSYS netdome server of which output devices PAD can use for printing has to be defined separately in PAD. Therefore, the configuration file `plossys.cfg` of each PLOSSYS netdome server is imported. Additionally, information concerning load balancing and failover servers are imported from `lbhosts.cfg`. Proceed as described below, see Figure 6-2:

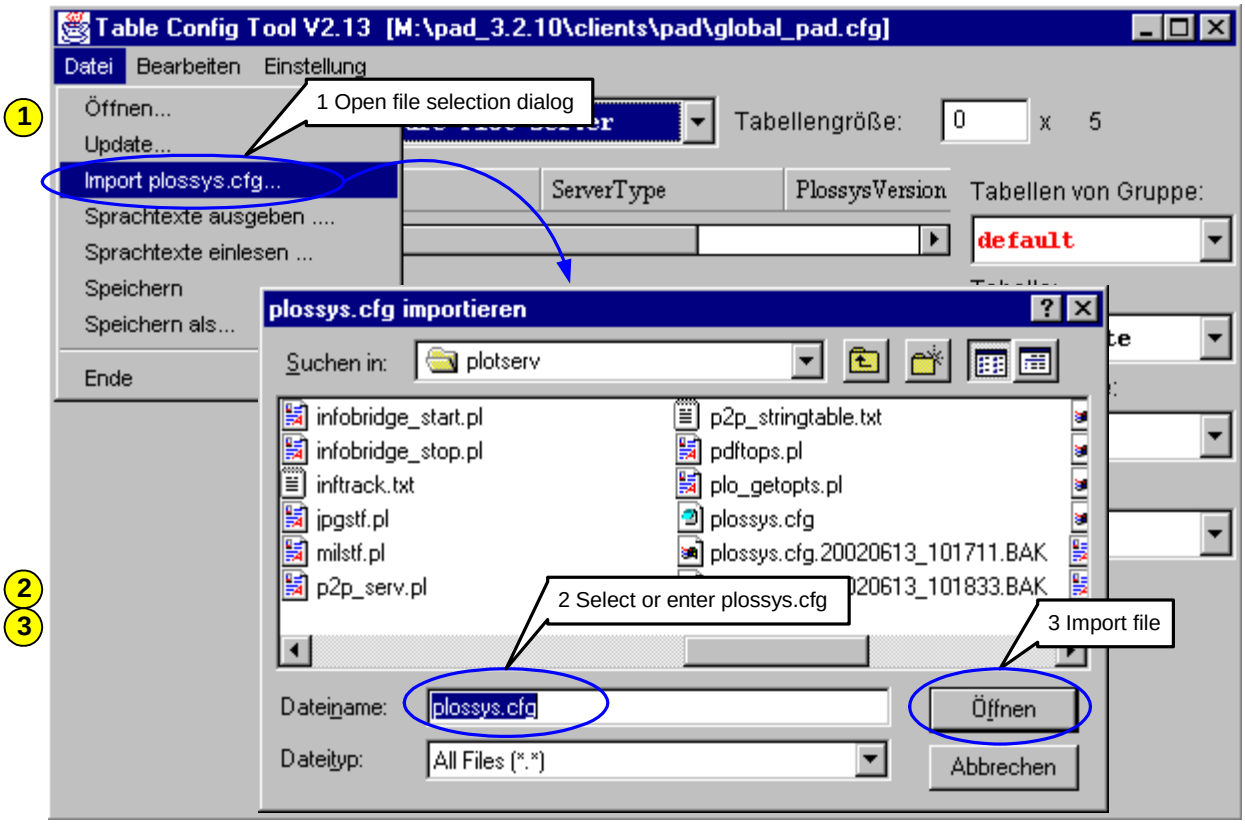


Figure 6-2: Importing `plossys.cfg`

Open the global PAD configuration file `global_pad.cfg`.

1. Choose `Datei` → `Import plossys.cfg` (engl.: `File` → `Import plossys.cfg`). A file selection dialog will be opened.
2. Select the configuration file of the PLOSSYS netdome server or enter the file name in the field `Dateiname` (engl.: `File name`). The file `plossys.cfg` in the directory `server/plotserv` is already preset.
3. Click `Öffnen` (engl: `Open`). Information will be imported from `plossys.cfg` and `lbhosts.cfg` if available and the dialog will be closed.

You can import as many PLOSSYS netdomes `plossys.cfg` as you like.

checking

PAD KonfigTool extracts all relevant data from the PLOSSYS netdome's configuration file, `plossys.cfg`, and, if available, `lbhosts.cfg`, into the corresponding PAD tables. At the end check the accuracy of the import, see Figure 6-3 to Figure 6-5:

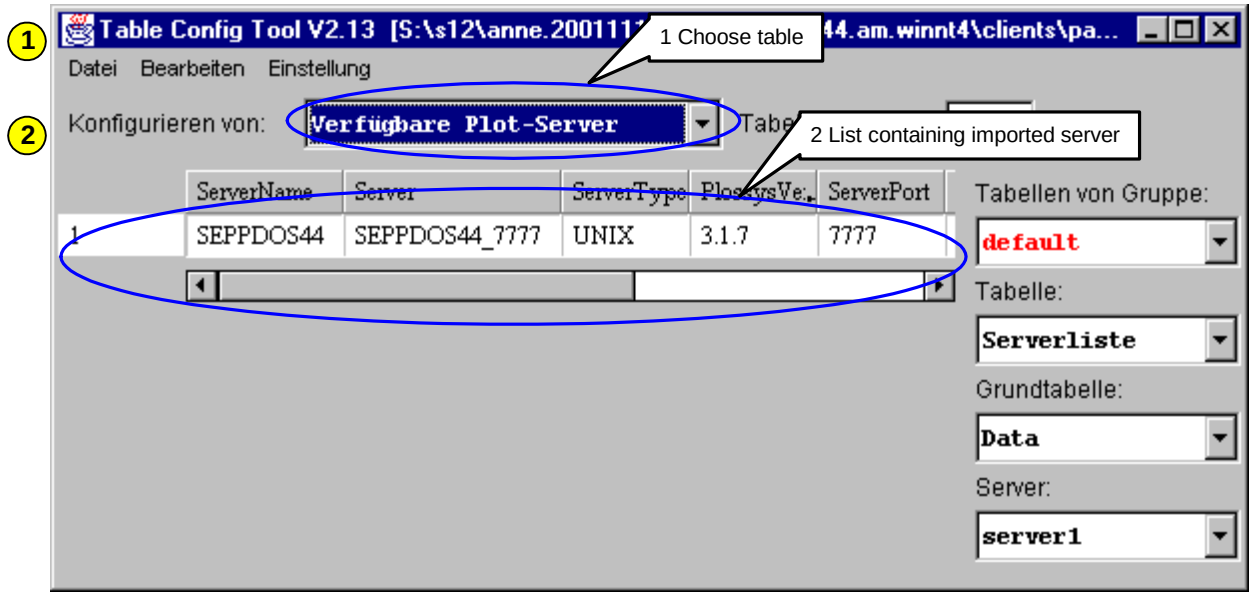


Figure 6-3: PAD Table 2 `Serverliste` (engl.: `Server list`) after Importing `plossys.cfg`

1. In the quick selection menu, choose `Verfügbare Plot-Server` (engl.: `Available plot servers`).
2. The PLOSSYS netdome server of which `plossys.cfg` has been imported can now be seen in the table.

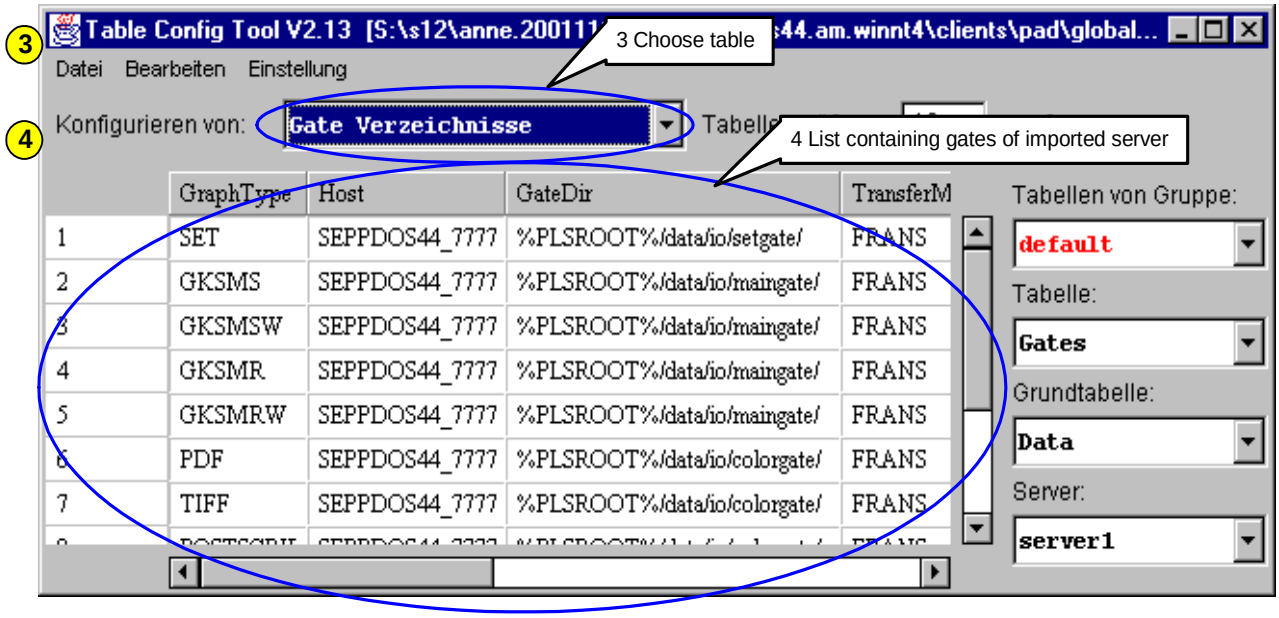


Figure 6-4: PAD Table 4 `Gates` after Importing `plossys.cfg`

3 In the quick selection menu, choose `Gate Verzeichnisse` (engl.: `Gate directories`).

4 The gate directories of the PLOSSYS netdome server of which `plossys.cfg` has been imported before can now be seen in the table.

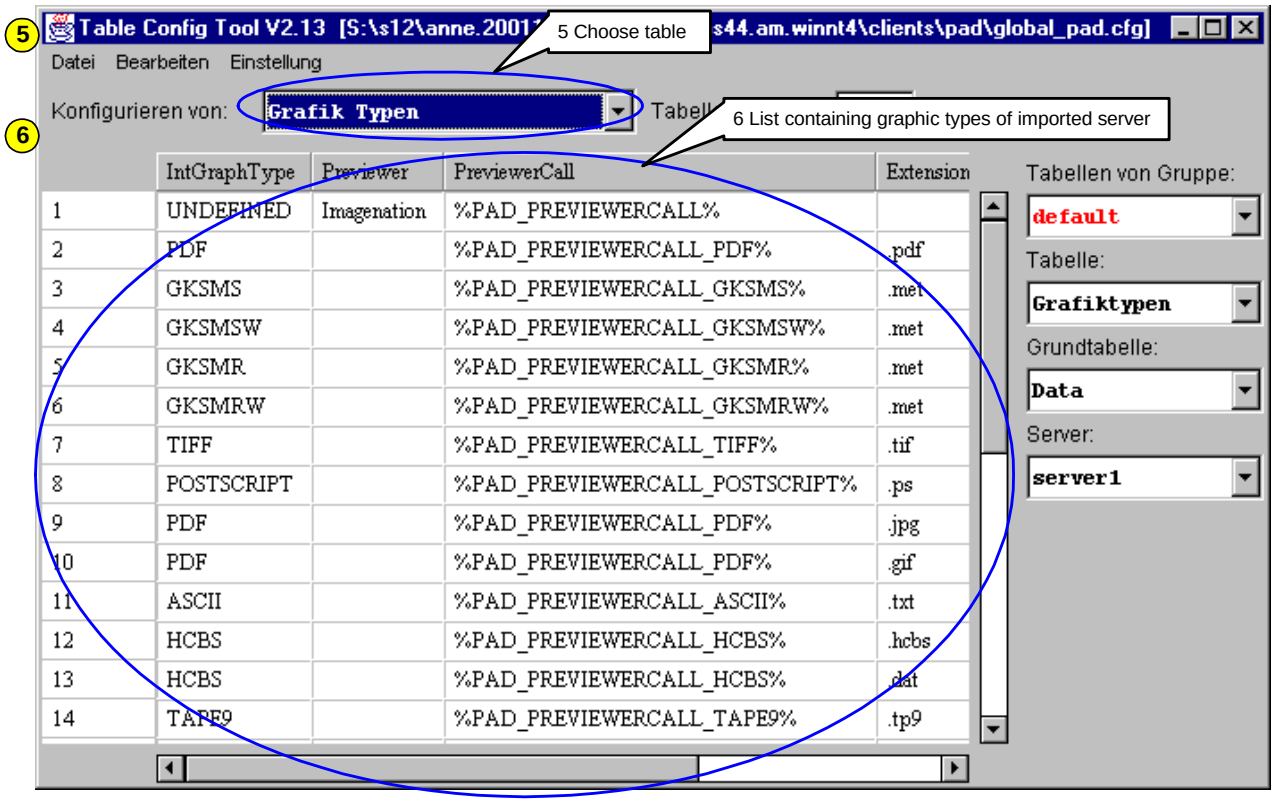


Figure 6-5: PAD Table 7 `Grafiktypen` (engl.: `Graphic types`) after Importing `plossys.cfg`

5 In the quick selection menu, choose `Grafiktypen` (engl.: `Graphic types`).

6 The file extensions that the PLOSSYS netdome of which `plossys.cfg` has been imported before accepts, can now be seen in the table.

If the configuration of a PLOSSYS netdome server, i. e. the file `plossys.cfg`, has been changed, for example because new gates have been added or the connection data to `kNet` have been changed first, this PLOSSYS netdome server must be removed from the PAD configuration[a] and afterwards `plossys.cfg` must be reimported.

a. Chapter 6.2, *Removing a PLOSSYS netdome Server from the PAD Configuration*, page 22

6.2 Removing a PLOSSYS netdome Server from the PAD Configuration

two steps

The procedure for removing a PLOSSYS netdome server from the PAD configuration, is split in two steps, see Figure 6-6 and Figure 6-7:

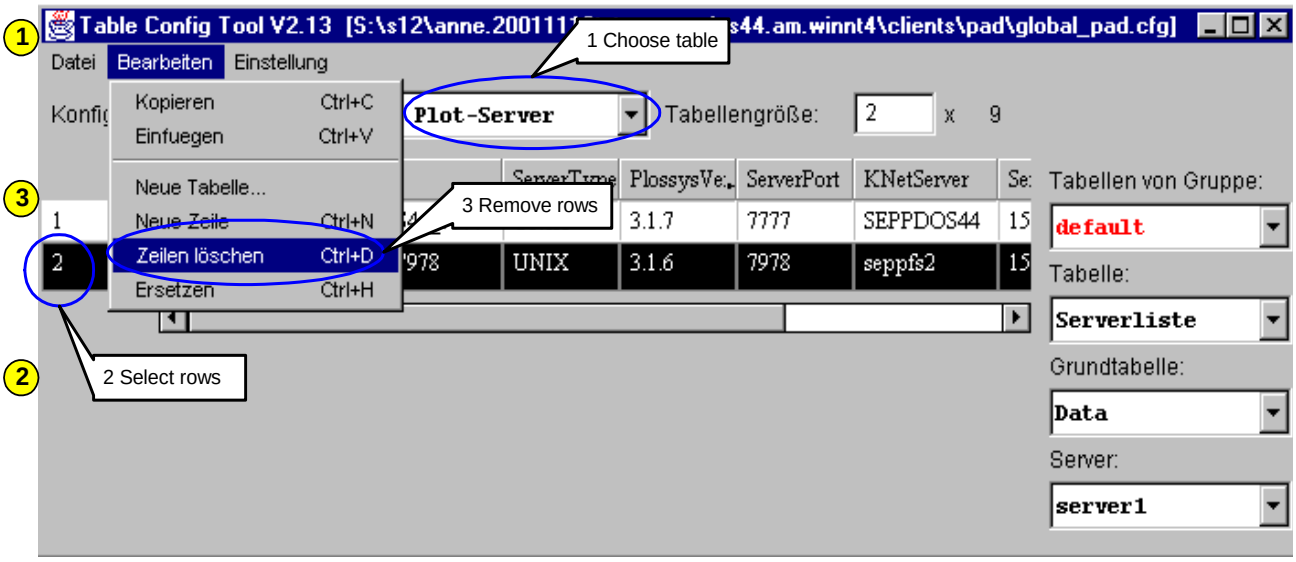


Figure 6-6: Removing Server from the PAD Configuration

Open the global PAD configuration file `global_pad.cfg`.

1. In the quick selection menu, choose `Verfügbare Plot-Server` (engl.: `Available plot servers`).
2. Select the line containing the PLOSSYS netdome server that is to be removed from the PAD configuration. If you want to remove more than one server use multi-selection here.
3. Remove the table row by choosing `Bearbeiten` → `Zeilen löschen` (engl.: `Edit` → `Delete lines`).

In a second step remove the configured gate directories of this PLOSSYS netdome server:

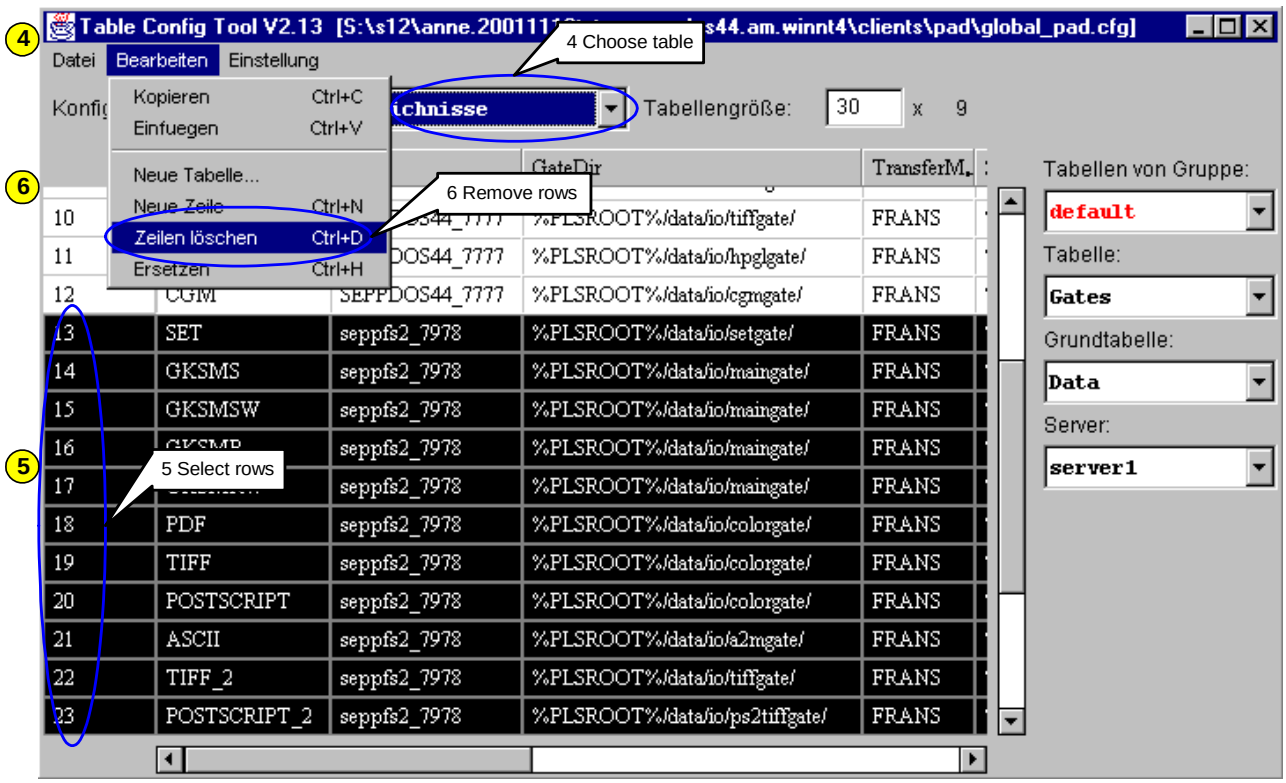


Figure 6-7: Removing Gates from the PAD Configuration

4 In the quick selection menu, choose `Gate Verzeichnisse` (engl.: `Gate directories`).

5 Select all lines in the table where the PLOSSYS netdome server which is to be deleted has been entered in the `Host` column.

6 Remove the table rows by choosing `Bearbeiten` →`Zeilen löschen` (engl.: `Edit` → `Delete lines`).

This procedure is also necessary if you reimport an already imported `plossys.cfg` after a change. Step 4 to 6 can be omitted. They are proceed mainly in order to clean up the tables.

6.3 Changing the Name of a PLOSSYS netdome Server

special case

In special cases, a modified `plossys.cfg` can be used to add a renamed PLOSSYS netdome server. In this case you proceed as described before: remove the old PLOSSYS netdome server from the PAD configuration and import the new `plossys.cfg`.

But if only the name is to be changed, for example from `SEPPDOS44` to `DOS44`, it is easier to adopt the PAD configuration as described below, see Figure 6-8 and Figure 6-9:

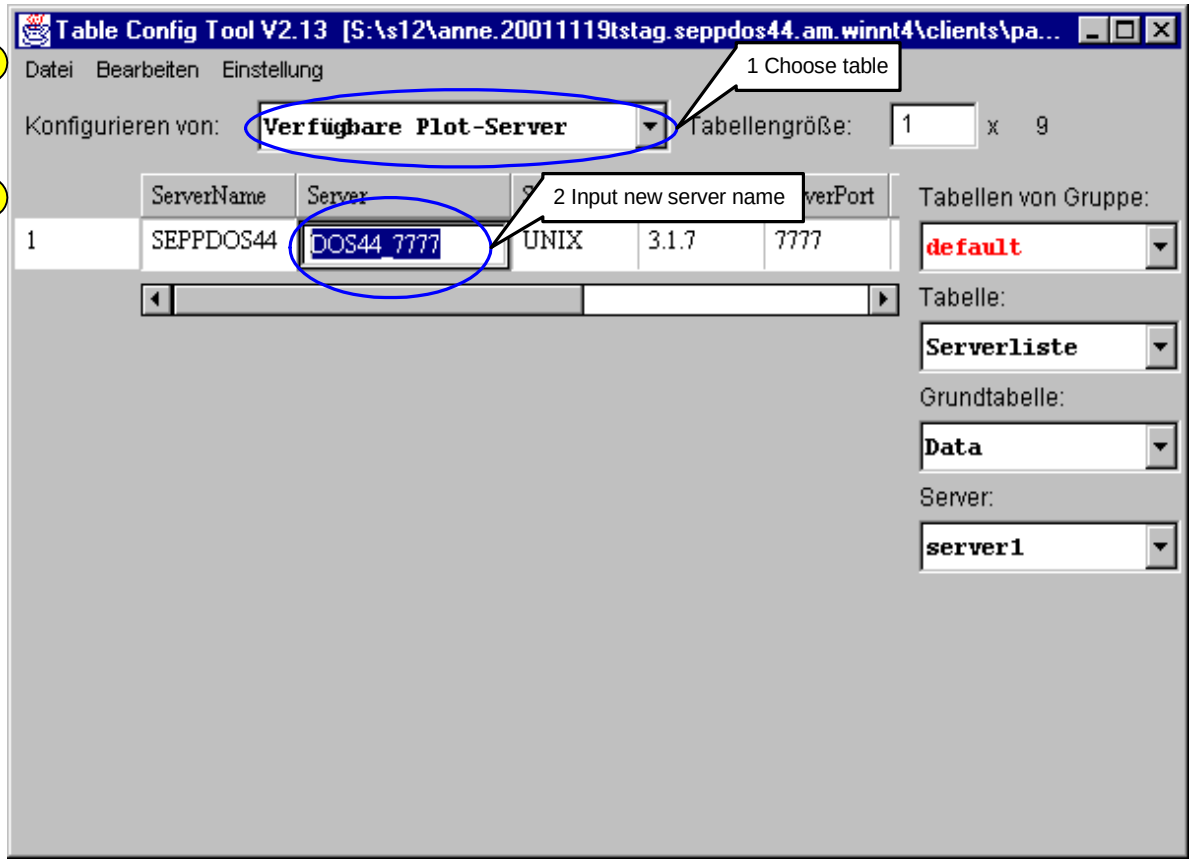


Figure 6-8: Changing Server Name - Step 1

Open the global PAD configuration file `global_pad.cfg`.

1. In the quick selection menu, choose `Verfügbare Plot-Server` (engl.: `Available plot servers`).
2. Click in the `Server` column of the desired PLOSSYS netdome server using the right or left mouse button and enter the new name in this field. The port number of the `kNet` server must always be appended in the format *`_xxxx`* to the server name!

The names of the servers must be unique.

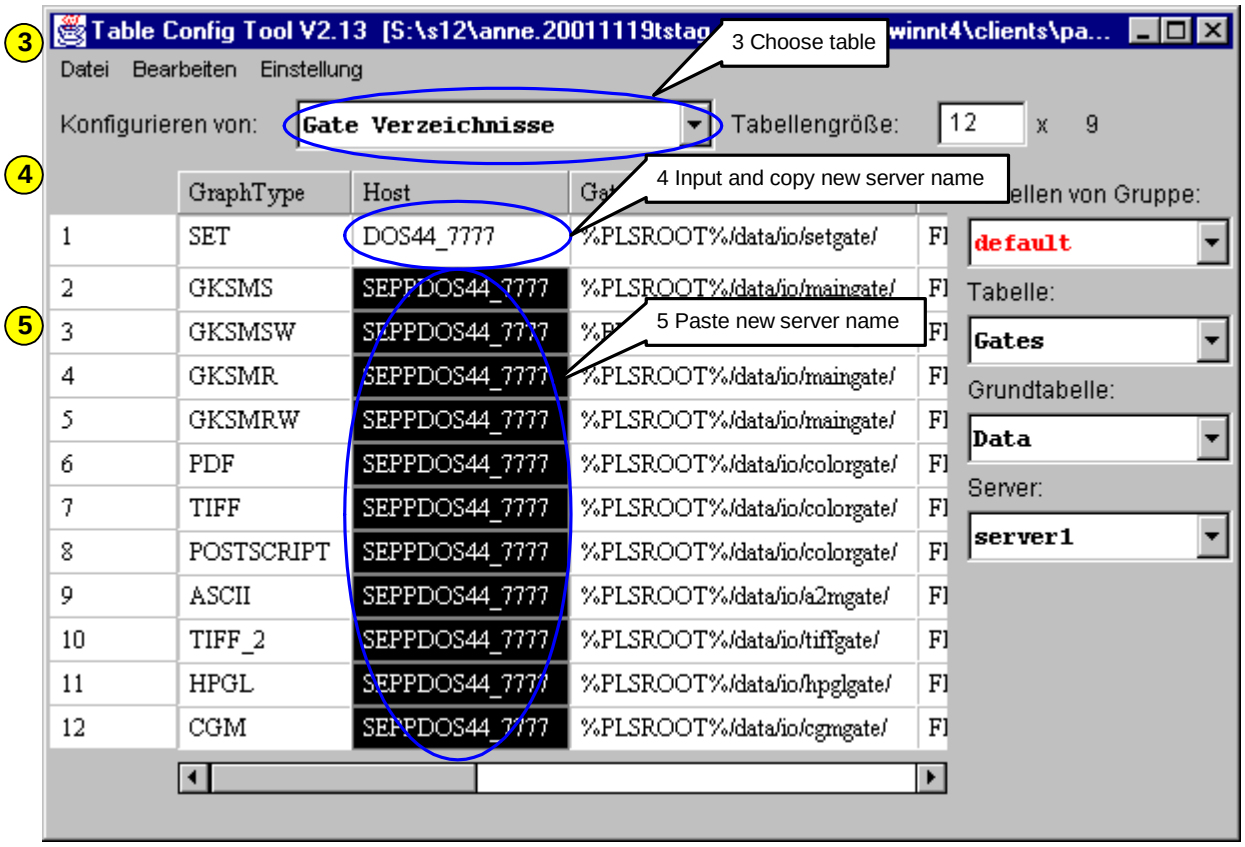


Figure 6-9: Changing Server Name - Step 2

3 In the quick selection menu, choose `Gate Verzeichnisse` (engl.: `Gate directories`).

4 Enter in the first line where the name of the PLOSSYS netdome server appears in the `Host` column the new server name together with the port number. Mark the new entry using the left mouse button and choose `Bearbeiten` → `Kopieren` (engl.: `Edit` → `Copy`).

5 Select the remaining lines containing the „old“ server name and insert the new name by using `Bearbeiten` → `Einfügen` (engl.: `Edit` → `Paste`).

The server name is changed easier by modifying the entry in the `kNetServer` column. Then, the changes n the `Gates` table are omitted. But this method is not always recommended because it makes the user believe that it is another server.

6.4 Changing the Displayed Name of a PLOSSYS netdome Server

arbitrary name

The name of the PLOSSYS netdome server is displayed in several dialogs in PAD, for example while compiling the personal printer list. This name is arbitrary. To change this name proceed as described below, see Figure 6-10:

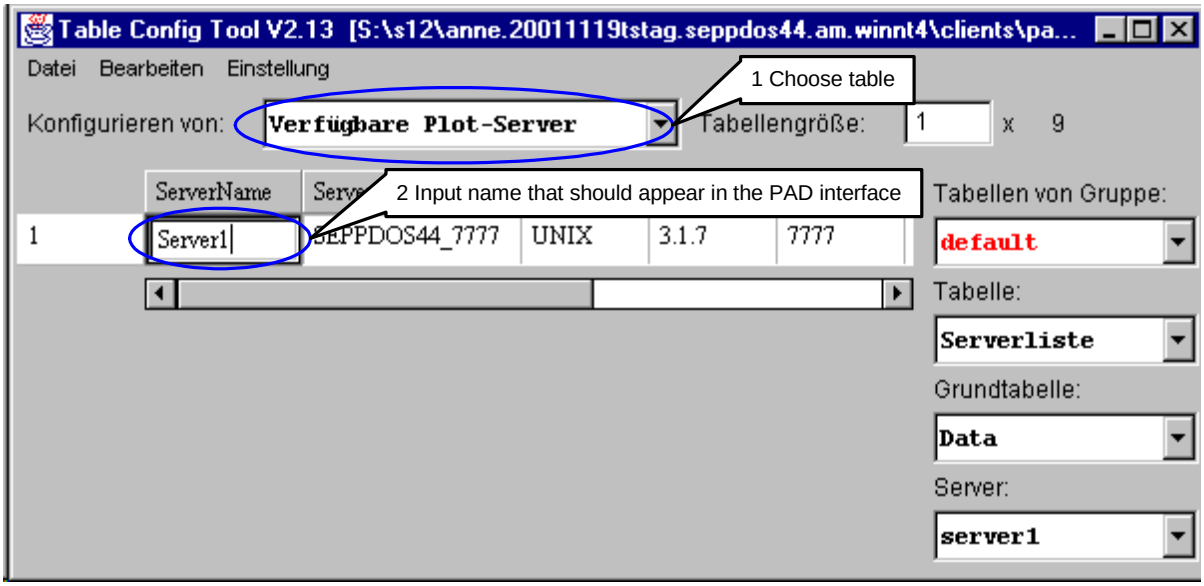


Figure 6-10: Changing the Displayed Server Name

Open the global PAD configuration file `global_pad.cfg`.

1. In the quick selection menu, choose `Verfügbare Plot-Server` (engl.: `Available plot servers`).
2. Click in the `ServerName` column of the desired PLOSSYS netdome server using the right or left mouse button and enter the new name in this field.

The names of the servers must be unique.

6.5 Configuring *-Update in PAD

retrieving from all servers

*-update means that you can choose a server * in PAD to retrieve information about jobs and printers automatically from all configured PLOSSYS netdome servers. It is not necessary to select each server separately one after the other and start the inquiry.

This server * is an additional entry in the PAD configuration. The real PLOSSYS netdome server must be configured as normal.

To install the *-Update, execute the following steps, see Figure 6-11:

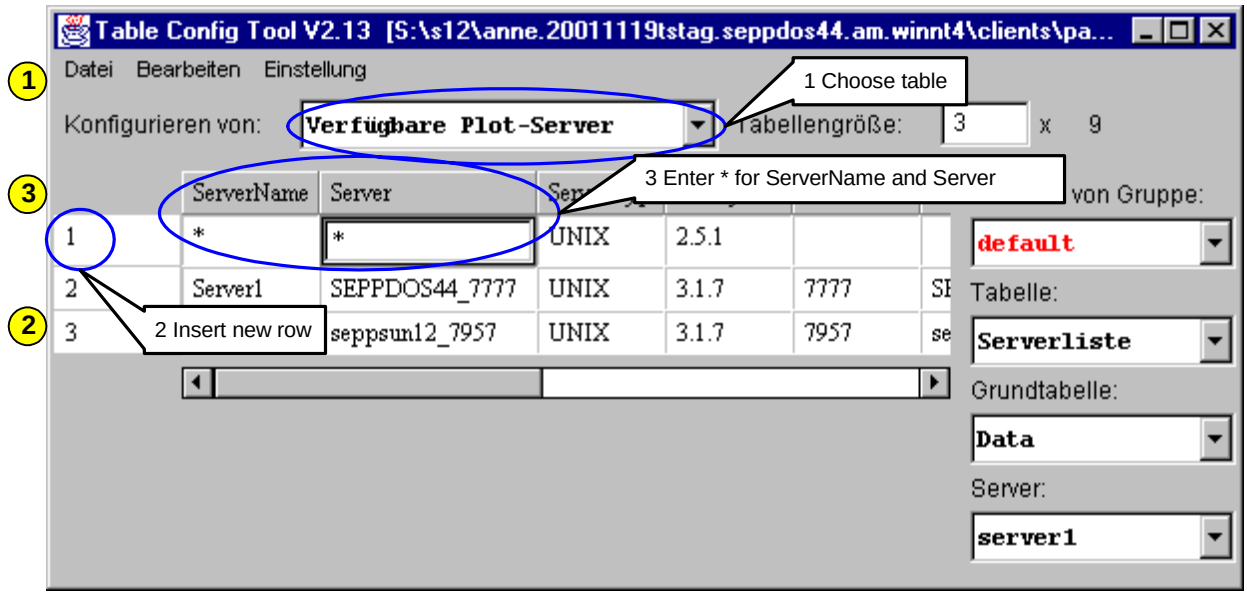


Figure 6-11: Configuring *-Update

Open the global PAD configuration file `global_pad.cfg`.

Configure all PLOSSYS netdome servers, of which output devices PAD should have access to[a].

1. In the quick selection menu, choose `Verfügbare Plot-Server` (engl.: `Available plot servers`).
2. Insert a new line as first line. Therefore select the row with number 1 and choose `Bearbeiten` → `Neue Zeile` (engl.: `Edit` → `New line`).
3. In the new line enter * in the `ServerName` and `Server` columns. The other fields do not have to be changed.

a. Chapter 6.1, *Adding a PLOSSYS netdome Server to the PAD Configuration*, page 17

The server * only makes sense, if more than one PLOSSYS netdome server is configured in PAD.

6.6 Configuring a Load Balancing Server

As of version 3.2.10, PAD supports the load balancing by PLOSSYS netdome. The required expansion of the PAD tables are containes in the version 1.94 of the global PAD configuration file.

import

When importing the PLOSSYS netdome's configuration files, the load balancing servers are passed from the `lbhosts.cfg`. For the correct import, the version 2.13 of PAD KonfigTool is required.

configuration

This is how you configure a load balancing server manually:

1. Open the global PAD configuration file `global_pad.cfg`.
2. In the quick selection menu, choose `Verfügbare Plot-Server` (engl.: `Available plot servers`).
3. In the `LoadBalancing` column, specify the `kNet` server and the correspondent port numbers participating the load balancing in the following format:
   `server1``:`*`port1 server2`*`:`*`port2 server3`*`:`*`port3`*

6.7 Configuring a Failover Server

As of version 3.3.1, PAD supports the failover strategy supported by PLOSSYS netdome as of version 4.1.0.

When importing the PLOSSYS netdome's configuration files, the failover servers are passed from the `lbhosts.cfg`. For the correct import, the version 2.16 of PAD KonfigTool is required.

import

This is how you configure a failover server manually:

configuration

1. Open the global PAD configuration file `global_pad.cfg`.
2. In the quick selection menu, choose `Verfügbare Plot-Server` (engl.: `Available plot servers`).
3. In the `FailoverHosts` column, specify the `kNet` server and the correspondent port numbers participating the failover strategy in the following format:
   `server1:port1 server2:port2 server3:port3`

`FailoverHosts` is only evaluated if at least one server is specified in `LoadBalancing`.

6.8 Registering Jobs at the Infoserver

As of version 3.3.0a, PAD registers jobs at the Infoserver before sending.

import

When importing the PLOSSYS netdome's configuration files, the value of `[INFOSERVER] INFOCLIENT_USER` is passed as user under which the jobs will be registered at the Infoserver.

activate

This is how you activate the jobs registration at the Infoserver:

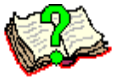
1. Open the global PAD configuration file `global_pad.cfg`.
2. In the quick selection menu, choose `Verfügbare Plot-Server` (engl.: `Available plot servers`).
3. In the `InfoServerRegistration` column, specify `Y`.

user name

This is how you change the user name under which the jobs will be registreed at the Infoserver:

1. Open the global PAD configuration file `global_pad.cfg`.
2. In the quick selection menu, choose `Verfügbare Plot-Server` (engl.: `Available plot servers`).
3. In the `InfoClientUser` column, specify the user name or the header entry containing the user name.

A header entry specified here must be contained in the `Special` column in the PAD table 11 `Einzelauftrag` (engl. Single job). If the header entry is empty in an output job, the PAD user will be used instead.



For more information and settings concerning the registration at the Infoserver, refer to [PAD_TEC].

7 Customizing Job Parameters

In the PAD user interface, the job parameters are displayed in two different views:

PAD user interface

- `Job Generation`
- `Job Information`

The configuration of the job parameters takes place in two separate tables and can totally differ from each other:

- To define the job parameter used in the `Job Generation` view choose `Einzel/Satz Headereinträge` (engl.: `Single/ Set collation header items`) in the quick selection menu. The description table is selected automatically. Alternatively, choose `Einzelauftrag` (engl.: `Single job`) in the option menu `Tabelle` (engl.: `Table`) at the right and `Description` in the option menu `Grundtabelle` (engl.: `Basic table`).

PAD table 11 `Einzelauftrag`, description table

- To define the job parameter used in the `Job Information` view choose `Auftragsinfo` (engl.: `Job info`) in the option menu `Tabelle` (engl.: `Table`) at the right and `Description` in the option menu `Grundtabelle` (engl.: `Basic table`).

PAD table 17 `Auftragsinfo`, description table

For configuration of the job parameters, the description and layout tables are relevant. The data table does not have to be changed.

The entries in `Server` and `ServerName` are not translated via the language table even if they are entered as keywords there.

translation

In the standard installation a certain amount of job parameters are already set. You can expand, shorten, resort or rename these at any time.

In order to loosen the view of the job parameters in the PAD user interface, configure a blank area instead of a job parameter. To do this, specify the following pseudo job parameter at the desired position:: `Identifier *`, `DataType String`, `ViewType UNDEF`, `EditMode M`, `SetParam N`, `Check OPT`.

This section first describes the general structure of the description and layout tables. Then you learn how to configure a job parameter.

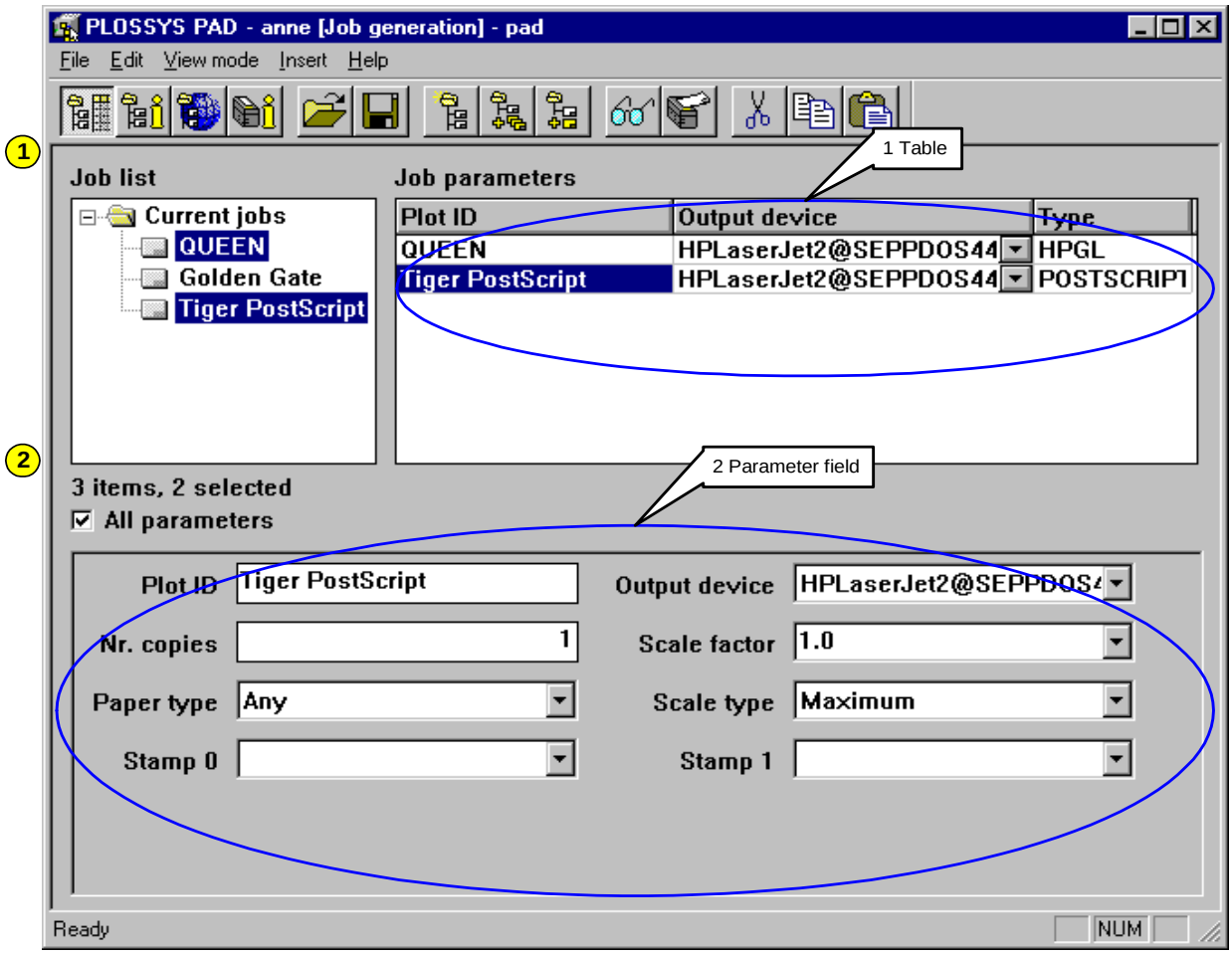


Figure 7-1: PAD User Interface With Table and Parameter Window

7.1 Description Table

The description table contains the definition and the format of the table data. For example, here the parameter is defined as a string or integer and also which value is default. This basic table is configured by an administrator.

administrator

In the description table the global settings in `global_pad.cfg` take priority. The local settings in `pad.cfg` are only used if it is not possible to access the global settings.

Figure 7-2 shows a section of the description table of the PAD table 10 `Plotter`.

	Identifier	DataType	ViewType	EditMode	Range	Default	Special	Title	Position
1	PlotterIndex	Integer	UNDEF	N	1000	-1		ti_plotterindex	10
2	PlotterName	String	UNDEF	M	70			ti_plottername	20
3	Plotter	String	UNDEF	F	70			ti_plotter	30
4	Server	String	UNDEF	F	30			ti_pls_server	40
5	Status	String	UNDEF	F	40			ti_state	50
6	Jobs	Integer	UNDEF	F	30	0		ti_jobs	60
7	PlotterComment	String	UNDEF	F	40			ti_plotter_comment	70
8	PlotterDepartment	String	UNDEF	F	20			ti_plotter_department	80
9	PlotterLocation	String	UNDEF	F	20			ti_plotter_location	90
10	ServerName	String	UNDEF	F	30			ti_servername	100

Figure 7-2: Part of the Description Table of PAD Table 10 `Plotter`

Table 7-1 lists and describes the columns of the description table.

Column	Meaning
`Identifier`	Unique internal name of the job parameterf. Caution: The identifier of previously configured job parameters must not be changed.
`DataType`	Data type of the job parameter: • Undefined • `Integer`: Only integer value is allowed. • `Float`: Only float value is allowed. • `String`: Any characters are allowed. • `List`: Value is chosen from a list of options. • `Date:` currently not supported. The data type depends on the view type and vice versa. In the `ViewType` column is specified which data type and view type match. Annotation: It is recommended to decide first which view type the job parameter have and whether a choice of predefined options is offered or free input of text is possible. Afterwards, a suitable data type can be defined.
`ViewType`	View types of the job parameter with their suitable data types: • `E` (edit field): data type `Integer`, `Float` and `String`. • `CO` (combo box): data type `String`. • `O` (option menu): data type `List`. • `S` (spin box): data type `Integer` and `Float`, only available on UNIX systems. • `CB` (check box): currently not supported. • `R` (radio button): currently not supported.
`EditMode`	How the job parameter can be modified by the user: • `N` (never visible): The job parameter does not appear in the PAD user interface. • `F` (fix; not modifiable): The value of the job parameter is read only. • `M` (modifiable): The value of the job parameter may be changed. Annotation: In the PAD user interface, see Figure 7-1, both the modifiable and the fixed job parameter are displayed in the table, (1), but in the parameter window only the modifiable, (2).
`SetParam`	Does the job parameter effect all set member in a set or only the single job? • `Y`: The job parameter is a set parameter. It effects all jobs in the set even if it is specified just at one of these. • `N`: The job parameter is valid for the single job only. • `DEFAULT`: If the job parameter is empty for a set member, the correspondent value is passed from the set header.

Column	Meaning
Check	Is the user forced to enter or select a value for this job parameter? • OPT (optional): The user doesn't have to enter or select a value. • OBL (obligatory): The user must enter or select a value. • OneOfN (at least one obligatory): The user must enter or select a value at at least one of the job parameters with this setting.
Range	Range of the job parameter depending on the data and view type: • Integer: min/max value, e. g. 1,8 • Float: min/max value, e. g. 1.0, 8.99 • List: permitted values, e. g. PA|TR|FO • String with view type E: maximum length of string, e. g. 5 • String with view type CO: maximum length of string and permitted values, e. g. 5|PA|TR|FO Annotation: If an empty value is to be selectable the list must begin with a ‚|', e. g. |PA|TR|FO.
Default	Preset value of the job parameter depending on the view type: • E: string, e. g. SEAL Systems • CO: string for the free editable text, e. g. 1.0 • O: position in the list, e. g. 0 • S: integer or float depending on the data type, e. g. 2.5 Annotation: The list position for view type O, i. e. for the option menu, starts at 0. Annotation: The preset values defined in the Default column might be overwritten by values provided in the associated header or in the default header belonging to the graphic type.
Special	Name of the job parameter that is written into the header as key, e. g. PLS_PLOTTER or PLS_DELTYPE. Annotation: All job parameters which have an entry in this column are compiled in the header. It is not relevant wether the parameter may be modified or even visible. To avoid that a parameter appears in the header the Special column must be explicitly void!
Title	Label of the job parameter in the interface both as table heading and as label in the parameter window. To support multiple languages, usually only a text key is specified here and the real text is assigned to this text key in the language table.
Position	The position specified here refers to the position in the parameter window, see Figure 7-1, page 32, ②. Only the modifiable job parameters, i. e. the job parameters with EditMode M, are displayed here. The parameter window is multi-column. The position is numbered in lines from left to right.

Column	Meaning
`Priority`	Priority for the merging of the global and local data tables: • `S` (Server): global data in `global_pad.cfg` takes priority. • `C` (Client): local data in `pad.cfg` takes priority. Annotation: This priority is valid only for merging of the data tables. When merging the description tables the global settings always take priority. The local settings are only used if it is not possible to access the global settings. In case of the layout table it has turned around exactly. Here the local settings take priority. The global settings are only used for the first start of PAD when the local `pad.cfg` does not exist yet.
`Key`	Specifies if the job parameter is a key. Keys are necessary for merging to decide which lines in the `global_pad.cfg` and `pad.cfg` tables belong together. Annotation: Assigning a key only makes sense if the table contains more than one data record. For example the PAD table 2 `Serverliste` (engl.: `Server list`) possibly contains more than one PLOSSYS netdome server. For job parameters, the `Key` column is irrelevant.
`RegExp`	Regular expression which the values in the data table must match before the job can be output or changed on PLOSSYS netdome.

Table 7-1: Columns of the Description Table

7.2 Layout Table

The layout table contains information about the layout of the parameters. For example, here the width of each table column displayed in PAD is defined. The data in the layout table can be changed by the user.

user

In case of the layout table the local settings take priority. The global settings are only used for the first start of PAD when the local `pad.cfg` does not exist yet. Afterwards, the settings made by the user take priority.

All settings concerning the layout can be changed by the user in the PAD user interface. For more information refer to [PAD_ONL].

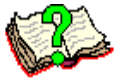


Figure 7-3 shows a section of the layout table of the PAD table 21 `Plotter-status` (engl.: `Plotter status`).

	Identifier	Width	Filter	Position	ViewMode	SortMode
1	PlotterName	109		10	Y	NO
2	Plotter	95		20	Y	NO
3	Status	70		30	Y	NO
4	ServerName	133		40	Y	NO
5	PlotterComment	70		50	Y	NO
6	PlotterDepartment	70		60	Y	NO
7	PlotterLocation	70		70	Y	NO

Figure 7-3: Part of a Layout Table of PAD Table 21 `Plotterstatus`

Table 7-2 lists and describes the columns of the layout table.

Column	Meaning
`Identifier`	Unique internal name of the job parameter which has been defined in the description table.
`Width`	Width of the table column in the PAD user interface. You can easily adjust these in the PAD user interface.
`Filter`	Filter which the data in the column must match. Data which does not match the filter, will not be displayed.
`Position`	The position specified here refers to the position in the table of the PAD user interface, see Figure 7-1, page 32, (1). The visible modifiable and fixed job parameters, i. e. the job parameters with `EditMode M` or `F` and `ViewMode Y`, are displayed here. Position `-1` means that the next free position will be searched.
`ViewMode`	Current view mode of the job parameter: • `Y`: The parameter appears in the table of the PAD user interface. • `N`: The parameter does not appear in the table of the PAD user interface. Annotation: The view mode can be changed in the PAD user interface using the settings window. In order to open this, click the table heading using the right mouse button and choose `Configure view`.
`Sort`	Sorting of the column: • `NO`: original status without sorting. • `ASC`: data in the column is sorted ascending. • `DESC`: data in the column is sorted descending. Annotation: The sorting can be changed in the PAD user interface using the pop-up menu `Sort type`. In order to open this, click the table heading using the right mouse button and choose `Sort type`.

Table 7-2: Columns of Layout Table

7.3 Adding a New Job Parameter for the Job Generation View

In order to add a new job parameter for the `Job Generation` view, adjust the following three tables: three steps

1. Description table of the PAD table 11 `Einzelauftrag` (engl.: `Single job`);
2. Layout table of the PAD table 11 `Einzelauftrag` (engl.: `Single job`);
3. PAD Table 4 `Sprachen` (engl.: `Languages`).

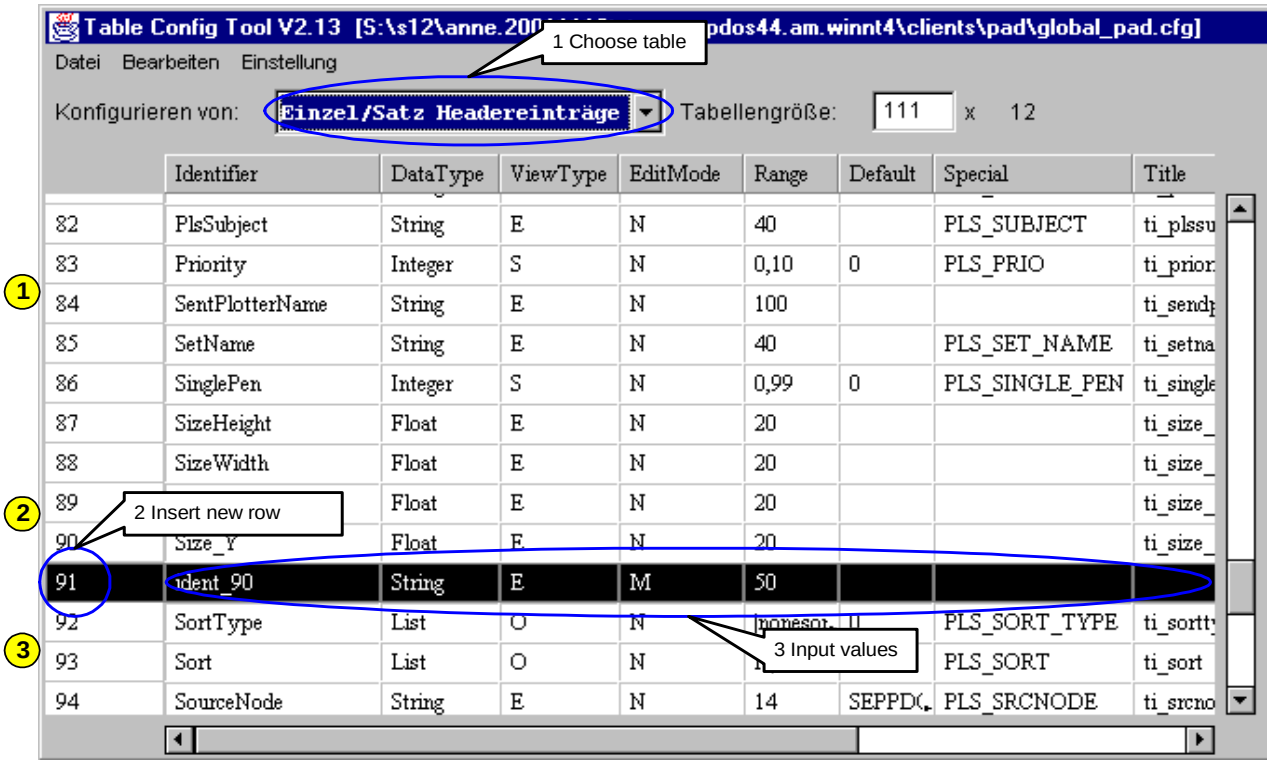


Table Config Tool V2.13 [S:\s12\anne.200
pdos44.am.winnt4\clients\pad\global_pad.cfg]
Datei Bearbeiten Einstellung
1 Choose table
Konfigurieren von: Einzel/Satz Headereinträge
Tabellengröße: 111 x 12
Identifier DataType ViewType EditMode Range Default Special Title
82 PlsSubject String E N 40 PLS_SUBJECT ti_plssu
83 Priority Integer S N 0,10 0 PLS_PRIO ti_prior
84 SentPlotterName String E N 100 ti_sendp
85 SetName String E N 40 PLS_SET_NAME ti_setna
86 SinglePen Integer S N 0,99 0 PLS_SINGLE_PEN ti_single
87 SizeHeight Float E N 20 ti_size_
88 SizeWidth Float E N 20 ti_size_
89 Float E N 20 ti_size_
2 Insert new row
90 Size_Y Float E N 20 ti_size_
91 ident_90 String E M 50
92 SortType List O N PLS_SORT_TYPE ti_sortty
93 Sort List O N PLS_SORT ti_sort
94 SourceNode String E N 14 SEPPDC PLS_SRCNODE ti_srcno
3 Input values
1
2
3

Figure 7-4: Inserting New Job Parameter

Open the global PAD configuration file `global_pad.cfg`.

1. In the quick selection menu choose `Einzel/Satz Headereinträge` (engl.: `Single/Set collation header items`).

2. Insert a new line anywhere you want. To do this, select the line above which the new line is to be inserted and choose `Bearbeiten` → `Neue Zeile` (engl.: `Edit` → `New line`). Afterwards, a new line with the identifier `ident_`*xxx* will be created.

3. Now adjust every column in the description table of the new job parameter[a]. In order to use the values of an already existing job parameter as template, select the table row that you want to copy and choose `Bearbeiten` → `Kopieren` (engl.: `Edit` → `Copy`). Afterwards, select the new inserted line and choose `Bearbeiten` → `Einfügen` (engl.: `Edit` → `Paste`).

a. Chapter 7.1, *Description Table*, page 33

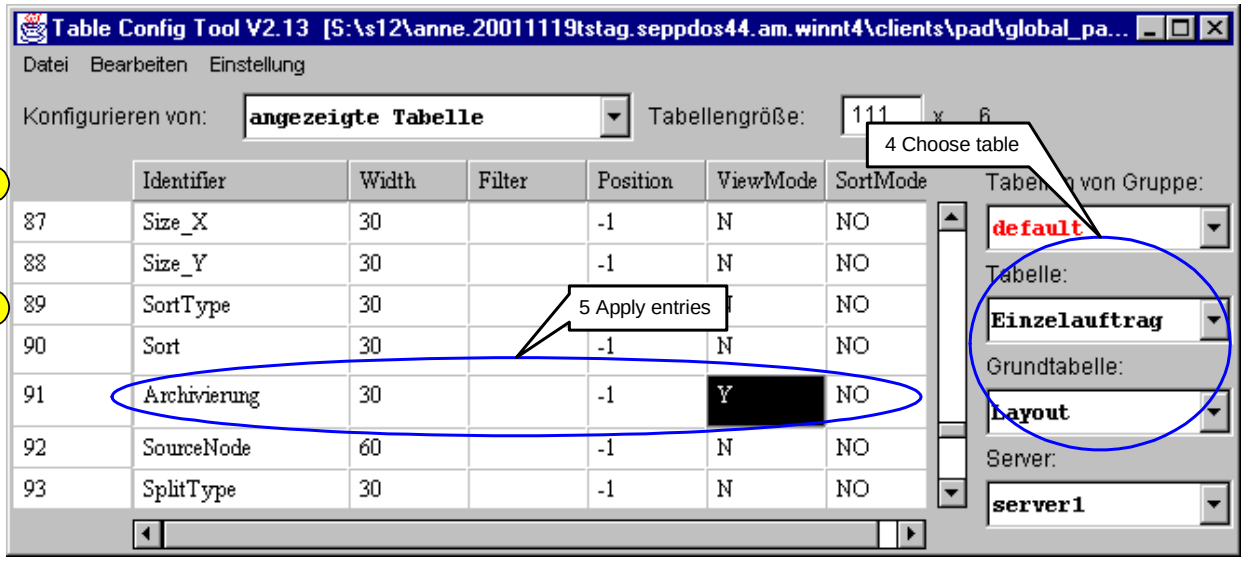


Figure 7-5: Customizing the Layout Table of a Job Parameter

4 In the second step choose `Layout` in the option menu `Grundtabelle` (engl.: `Basic table`).

5 The new line has been automatically inserted at the correct place analog to the description table. In the `Identifier` column you find the same entry that you have specified in the description table. Now adjust the columns in the new line[a].

a. Chapter 7.2, *Layout Table*, page 37

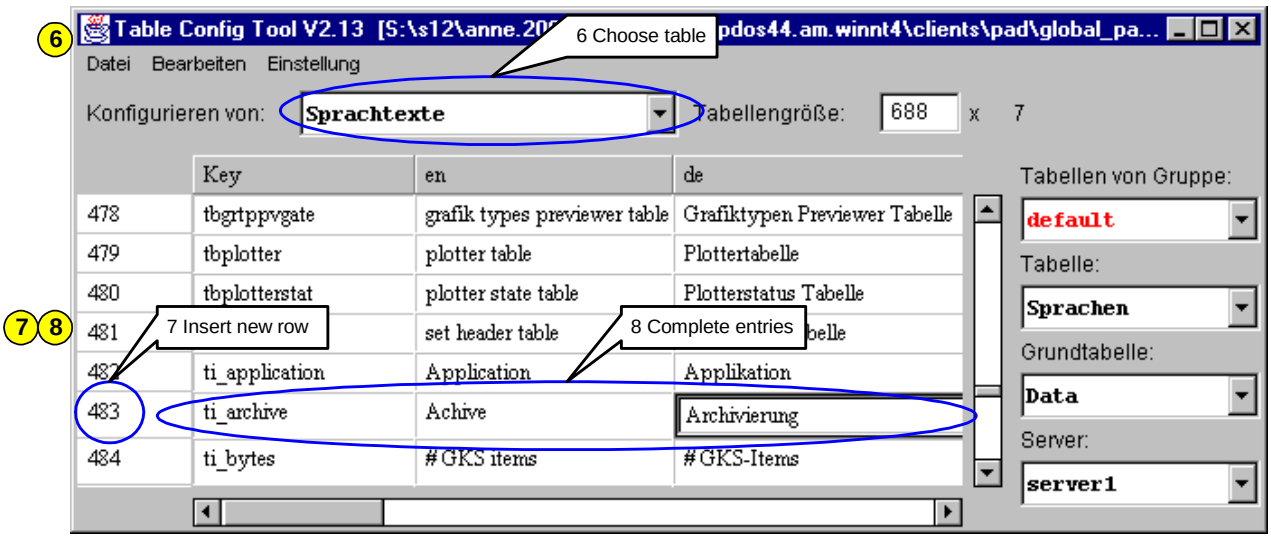


Figure 7-6: Entering Text Key with Translations in Several Languages

6 In the third step, choose `Sprachtexte` (engl.: `Language items`) in the quick selection menu. Here you find all defined text keys in alphabetical order.

7 Search for a suitable place for the text key that you have entered in the `Title` column of the description table and insert a new line. To do this, select the line above which the new line is to be inserted and choose `Bearbeiten` → `Neue Zeile` (engl.: `Edit` → `New line`).

8 In the new empty line insert the defined text key in `Key` column. In the following columns add the text translated into the corresponding languages. According to the ISO Standard 639, `en` stands for English, `de` for German, `fr` for French, `pt` for Portuguese, etc.

In the case the text key defined in `Title` column of the description table is not be found in the PAD table 4 `Sprachen` (engl.: `Languages`) the text key itself is displayed in PAD.

You only have to enter the translated text for languages that are actually in use. The current language for the PAD user interface is defined in `plossys.ini` as `PAD_LANGUAGE`.

7.4 Adding a New Job Parameter for the Job Information View

PAD table 17 `Auftragsinfo`

If you want to configure the new job parameter for the `Job Information` view as well, follow the same steps as described for the `Job Generation` view[1] analog in the description and layout tables in the PAD table 17 `Auftragsinfo` (engl.: `Job info`).

In order to use the already modified settings in the PAD table 11 `Einzelauftrag` (engl.: `Single job`) as template, insert a new line in the description and layout table of the PAD table 17 `Auftragsinfo` (engl.: `Job info`) by selecting the line above which the new line is to be inserted and choose `Bearbeiten` → `Neue Zeile` (engl.: `Edit` → `New line`). Select the table row that you want to copy and choose `Bearbeiten` → `Kopieren`.(engl.: `Edit` → `Copy`). Afterwards, select the new inserted line and choose `Bearbeiten` → `Einfügen` (engl.: `Edit` → `Paste`).

1. Chapter 7.3, *Adding a New Job Parameter for the Job Generation View*, page 39

7.5 Changing a Job Parameter

Depending on whether you want to change a job parameter for the view `Job Generation` or the `Job Information` view, choose the corresponding table in the option menus of PAD KonfigTool:

`Job Generation` view: PAD table 11 `Einzelauftrag` (engl.: `Single job`)

`Job Information` view: PAD table 17 `Auftragsinfo` (engl.: `Job info`)

Table 7-3 compiles the most important modifications of the job parameters and the relevant basic table and column that you have to change in these cases.

What Do You Want to Change?	**What to Modify:**
Range of values valid for a job parameter	description table, `Range` column
Default value of a job parameter	description table, `Default` column
Modifiability of a job parameter	description table, `EditMode` column
Visibility of a job parameter in the table	layout table, `ViewMode` column
Position of a job parameter in the table	layout table, `Position` column
Position of a job parameter in the parameter window	description table, `Position` column
Header entry corresponding to a job parameter	description table, `Special` column
Text for label and table heading of a job parameter.	description table, `Title` column and PAD table 4 `Sprachen` (engl.: `Languages`), data table

Table 7-3: Most Important Modifications of Job Parameters

For a more detailed procedure read Chapter 7.3, *Adding a New Job Parameter for the Job Generation View*, page 39. When changing a job parameter it is not necessary to insert a new line. Search the existing line containing the desired job parameter and change the values in it. The procedure otherwise is identical.

7.6 Removing a Job Parameter

Some job parameters are mandatory for a correct execution of PAD. For this reason it is recommended not to remove preconfigured job parameters. Instead, change the value in the `EditMode` column of the description table to `N` that stands for „Never visible“. Although the job parameter is still defined, it will not appear in PAD anymore.

8 Initializing the Personal Printer List and the Default Printer

automatic inquiry

As a default, no printers are preset in the global PAD configuration but only the PLOSSYS netdome servers of which the user can retrieve connected printers. Then, the user compiles his or her personal printer list in the PAD user interface.

default

However, it is also possible to configure printers which appear as defaults in the personal printer list when a user opens PAD for the first time.

These configured printers are appended to the personal printer list each time PAD is started by the user. While execution of PAD the user can modify the list, for example remove printers or replace them by other printers.

PAD_UPDATE_PLOTTER_LIST

If you want that only the printers of the global printer list are be selectable by the user, you must check that the personal printer list in `pad.cfg` of the user does not have any entries before starting for the first time, and the system value `PAD_UPDATE_PLOTTER_LIST` in `plossys.ini` is not `TRUE`.

Entering `FALSE`, the button `Apply` in the dialog `personal printer list` in the PAD user interface is deactivated and the user only can shorten the list.

Entering `NEVER`, both the button `Apply` and the button `Delete` in the dialog `personal printer list` in the PAD user interface are deactivated and the user can not modify the preset list.

global personal printer list

In order to configure a global personal printer list together with a default printer proceed as described below, see Figure 8-1:

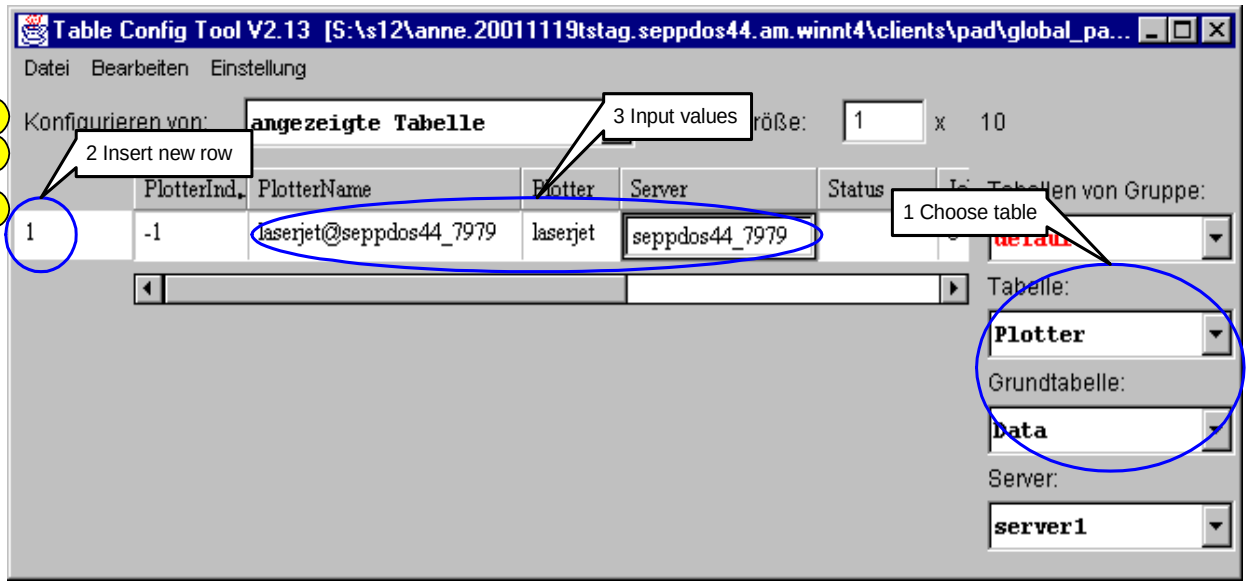


Figure 8-1: Initializing the Default Printer

Open the global PAD configuration file `global_pad.cfg`.

1. Choose `Plotter` in the option menu `Tabelle` (engl.: `Table`) and `Data` in the option menu `Grundtabelle` (engl.: `Basic table`).
2. Insert a new line by choosing `Bearbeiten` → `Neue Zeile` (engl.: `Edit` → `New line`).
3. In the new line, insert in the `PlotterName` column the desired name of the default printer in the format *`printer@server_port`*, in the `Plotter` column the *`printer`* and in the `Server` column the PLOSSYS netdome server. The other columns in the line must not be changed or filled out.

The first entry in the data table of the PAD table 10 `Plotter` is the default printer. In the layout table of this table, `NO` should be entered in the `Sort` column because when using more printers, the order can be changed and the desired default printer will no longer be first in the list.

9 Setting Window Properties

save settings

Saving the settings, i. e. when `File` → `Settings` → `Save` is chosen in the PAD user interface, PAD saves various properties of the windows:

- Total size of the PAD user interface;
- Proportion of the parameter window to the table in the `Job Generation` view;
- Proportion of the parameter window to the table in the `Job Information` view;

Additional it is filed, whether

- PAD is displayed as full screen (only on Windows);
- the parameter window is open in the `Job Generation` view;
- the parameter window is open in the `Job Information` view;

format of entry

These settings are stored in the `WindowLayout` column of the PAD table `System` in the PAD configuration. The format of the entry is shown in Figure 9-1:

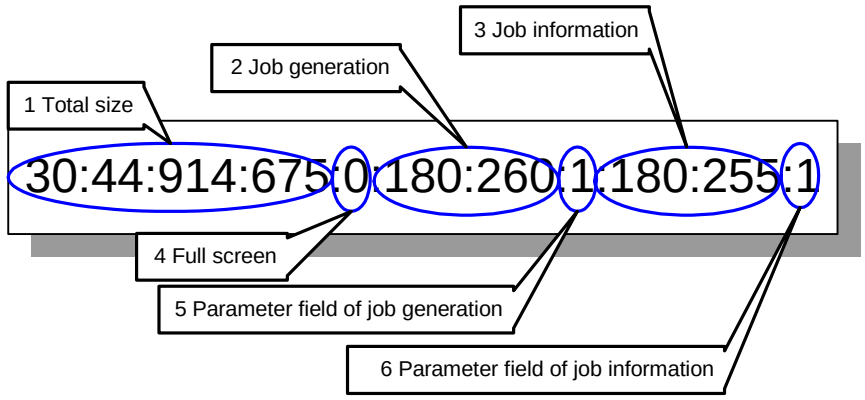


Figure 9-1: Format of the Saved Window Properties

Figure 9-2 shows the easiest way for changing the windows properties in the global configuration.

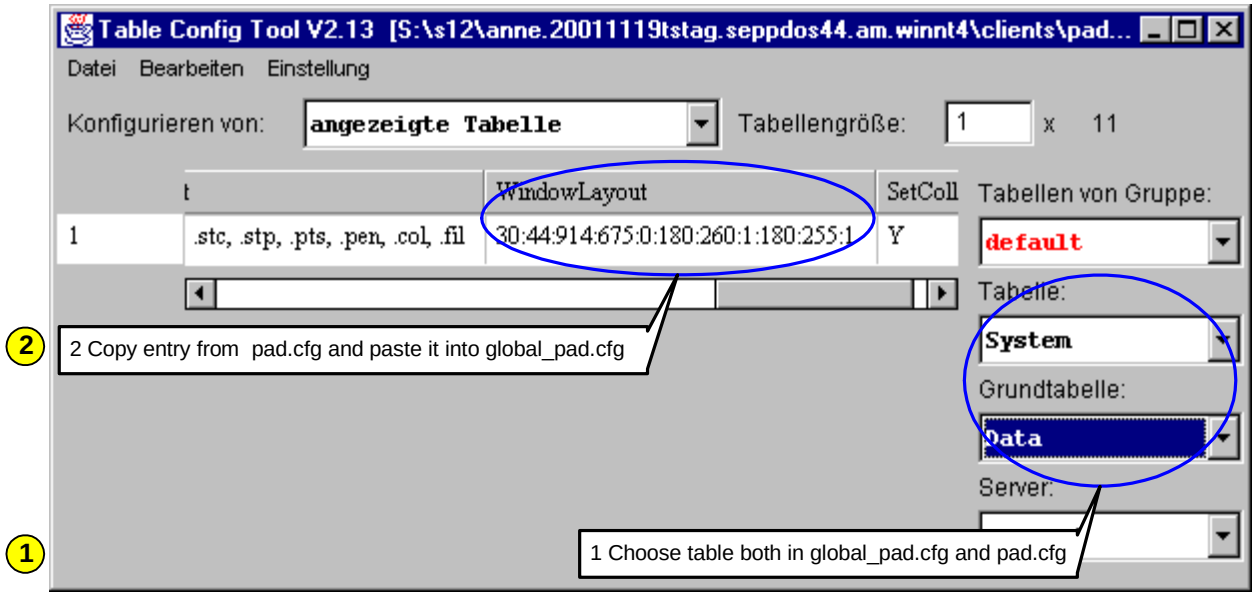


Figure 9-2: Configuring Window Properties

In order to receive the desired values, start PAD, set all properties as desired using the mouse and save the settings by choosing `File` → `Settings` → `Save`.

Then, you copy the entry from your local PAD configuration file `pad.cfg` to the global PAD configuration file `global_pad.cfg`. Therefore, start PAD KonfigTool twice. In one window open the global PAD configuration file `global_pad.cfg` and in the other the local configuration file `pad.cfg`.

1. Choose `System` in the option menu `Tabelle` (engl.: `table`) and `Data` in the option menu `Grundtabelle` (engl.: `Basic table`) . Follow this step in both opened instances of PAD KonfigTool.

2. Copy the value in the `WindowLayout` column from `pad.cfg` by choosing `Bearbeiten` → `Kopieren` (engl.: `Edit` → `Copy`) and paste it into the correspondent column in `global_pad.cfg` by choosing `Bearbeiten` → `Einfügen` (engl.: `Edit` → `Paste`).

Executing PAD with the same `global_pad.cfg` on UNIX systems and on Windows system, it may be that the defined sizes are only suitable for one system. In the `global_pad.cfg` of the standard installation we tried to find values that are practical for both systems.

10 Customizing Text Items

various languages

In order to support mulitlingualism the PAD configuration offers the PAD table 4 `Sprachen` (engl.: `Languages`) containing text items translated into various languages.

text key

Each text item is identified by a text key. In all other tables of the PAD configuration only this text key is used. In the PAD table 4 `Sprachen` (engl.: `Languages`) the text key is assigned to the actual displayed text items translated into different languages. The text keys in the `Key` column of the PAD table 4 `Sprachen` (engl.: `Languages`) are sorted in alphabetical order to provide an easier search.

10.1 Inserting or Changing Single Text Items

For inserting single text items in an already configured language proceed as described below, see Figure 10-1:

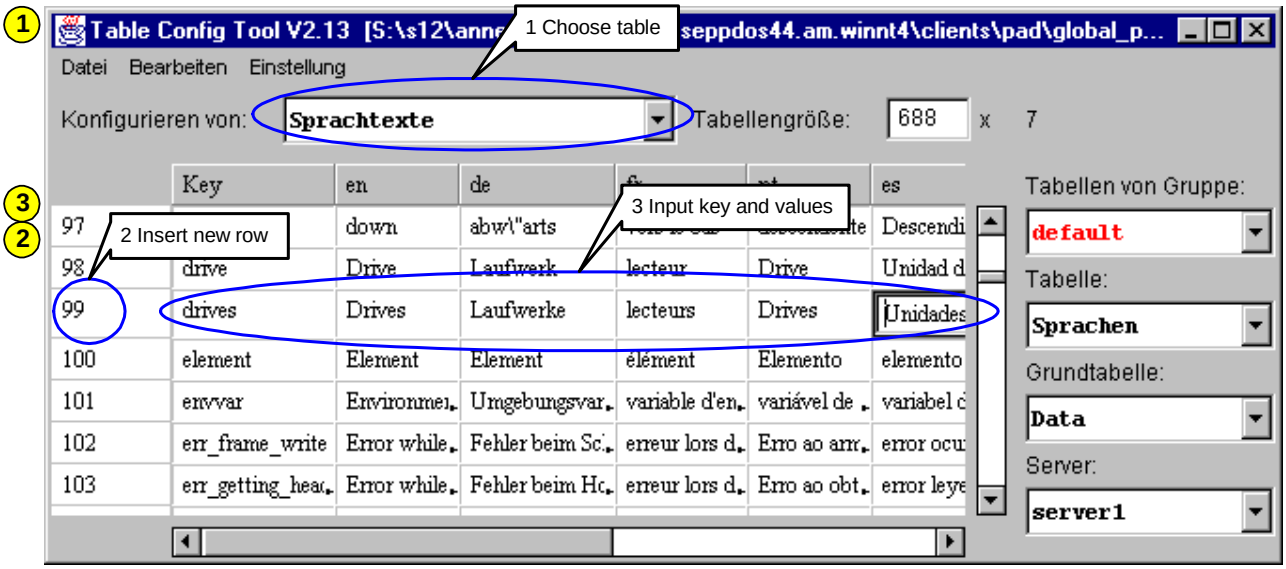


Figure 10-1: Inserting a New Text Item

Open the global PAD configuration file `global_pad.cfg`.

1. Choose `Sprachtexte` (engl.: `Language items`) in the quick selection menu.

2. Insert a new line at the correct place. Select the line above which the new line is to be inserted and choose `Bearbeiten` → `Neue Zeile` (engl.: `Edit` → `New line`). Afterwards, a new empty line will be created.

3. In this line insert the text key in the `Key` column. In the following columns enter the text translated into the corresponding language. According to the ISO Standard 639, `en` stands for English, `de` for German, `fr` for French, `pt` for Portuguese etc.

   If a text key used in another table is not be found in the PAD table 4 `Sprachen` (engl.: `Languages`) the text key itself is displayed in PAD.

You only have to enter the translated text for languages that are actually in use. The current language of the PAD user interface is defined in `plossys.ini` as `PAD_LANGUAGE`.

10.2 Configuring New Language

Before adding a new language, contact your technical project manager at SEAL Systems to find out if the language is already available.

If you want to provide the PAD user interface in a complete new language that is not yet configured, proceed as described below, see Figure 10-2:

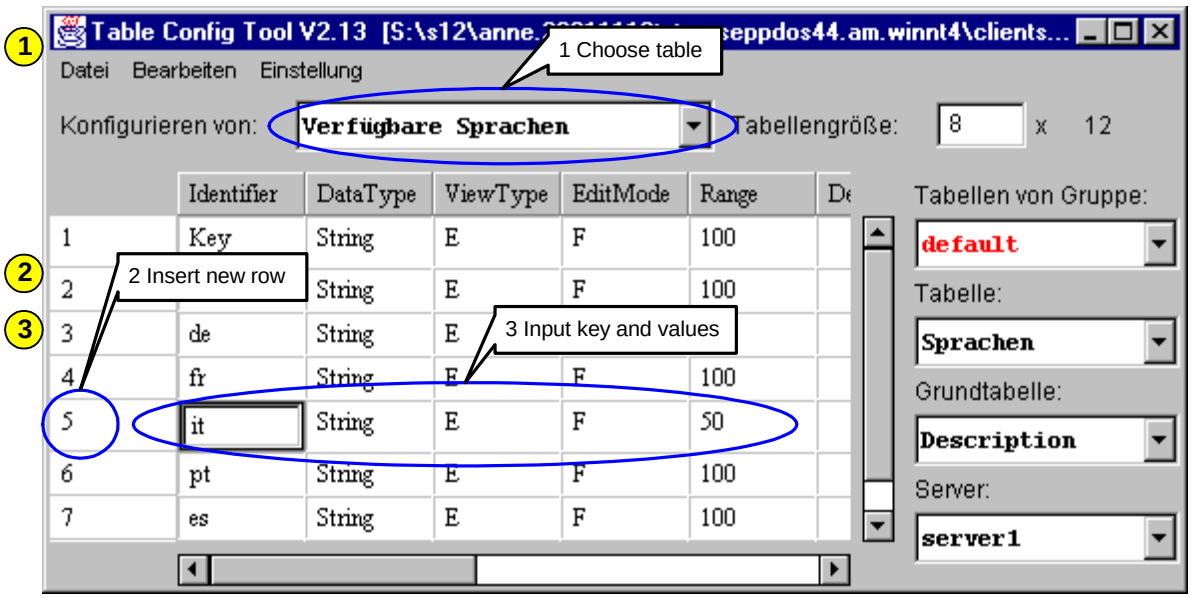


Figure 10-2: Inserting a New Language

Open the global PAD configuration file `global_pad.cfg`.

1. In the quick selection menu choose `Verfügbare Sprachen` (engl.: `Available languages`). Alternatively choose `Sprachen` (engl.: `Languages`) in the option menu `Tabelle` (engl.: `table`) and `Description` in the option menu `Grundtabelle` (engl.: `Basic table`) .

2. Insert a new line. Select the line above which the new line is to be inserted and choose `Bearbeiten` → `Neue Zeile` (engl.: `Edit` → `New line`).

3. Enter the new language code in the `Identifier` column. Using languages codes in accordance with the ISO Standard 639 is recommended.

As a template for the entries in the new line, you also can copy an existing language definition. Do this by selecting a corresponding table row and choose `Bearbeiten` → `Kopieren` (engl.: `Edit` → `Copy`). Afterwards, select the new empty line and choose `Bearbeiten` → `Einfügen` (engl.: `Edit` → `Paste`).

In the data table of the PAD table 4 `Sprachen` (engl.: `Languages`) a new empty column with empty fields for the new language is automatically inserted. Now you assign the text items for the new language to the text keys[1].

PAD starts in the new language if the new language code is configured in `plossys.ini` as `PAD_LANGUAGE`.

1. Chapter 10.3, *Inserting All Text Items for a New Language*, page 53

10.3 Inserting All Text Items for a New Language

In order to offer the PAD user interface in a complete new language, translation work is usually handled by a third party. To support this process, PAD Konfig-Tool offers the function to export the text keys and the text items in a text file which can easily be translated. Afterwards, the modified text file is imported under the new language code.

text file

10.3.1 Exporting Text Items to a Text File

For exporting all the text items of an already existing language to a text file, proceed as described below, see Figure 10-3:

export

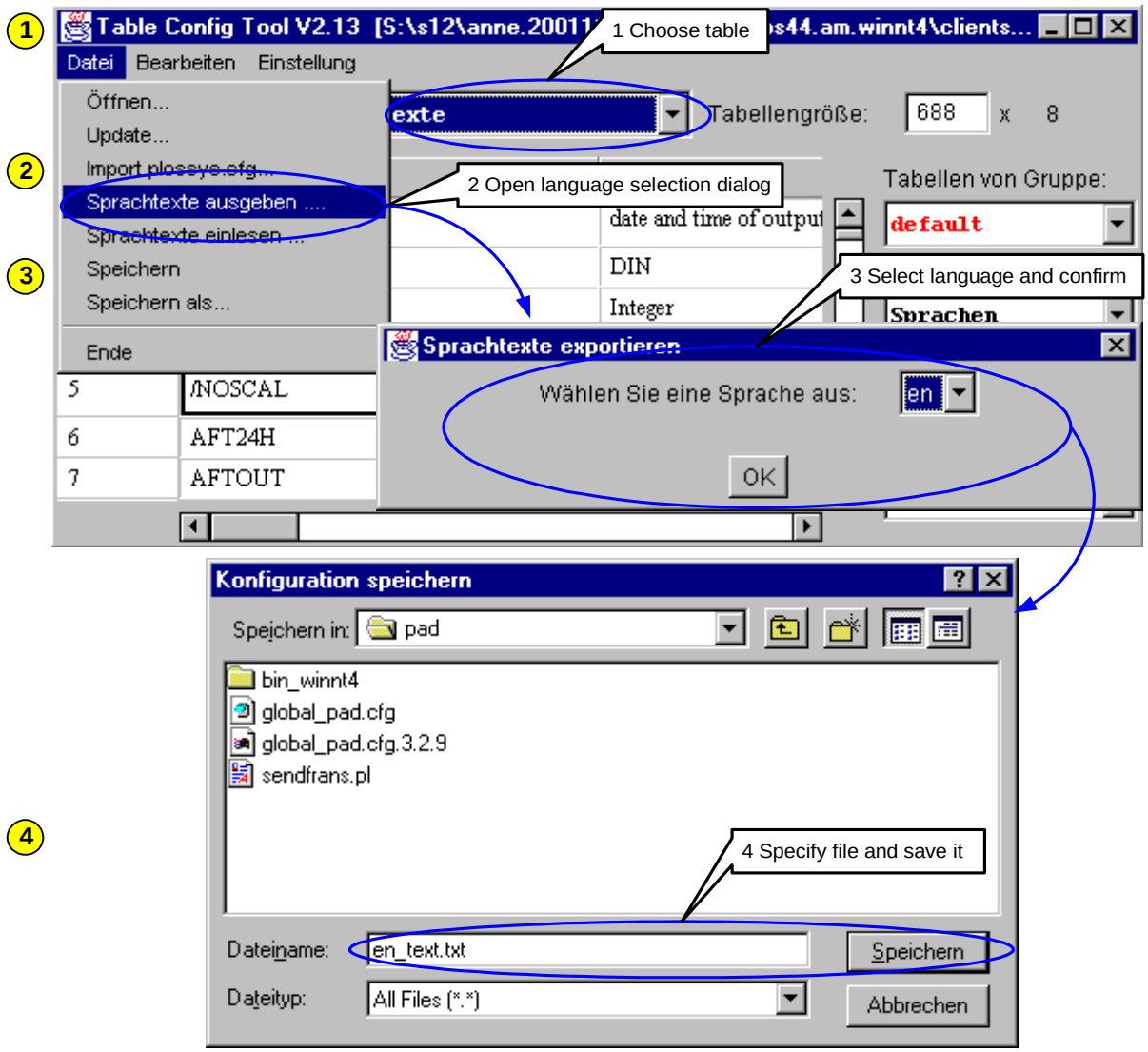


Figure 10-3: Exporting the Text Items in a Text File

Open the global PAD configuration file `global_pad.cfg`.

1. In the quick selection menu choose `Sprachtexte` (engl.: `Language items`). Alternatively, choose `Sprachen` (engl.: `Languages`) in the option menu `Tabelle` (engl.: `table`) and `Data` in the option menu `Grundtabelle` (engl.: `Basic table`) .
2. Choose `Datei` → `Sprachtexte ausgeben...` (engl.: `File` → `Export language items...`).
3. In the dialog which has been opened choose an already existing language which text items you want to export. Confirm your choice by clicking `OK`.
4. Select the directory where the text file is to be saved and enter a name for this text file in the field `Dateiname` (engl.: `File name`). Click `Speichern` (engl.: `Save`) for saving the file.

format of the entries

Now the exported text file can be edited using any text editor. Figure 10-4 shows an example of an open text file with text keys and the corresponding text items in english. The format of the entries is:

```
text key=text
```

en_text.txt - (S:\s12\anne.20011119tstag.seppdos44.am.winnt4\clients\pad\en_text.txt)

File Edit Window Tools Syntax PLOSSYS Help

```
[Table_4_Data_default_server1]
$PLS_PLOTDATE=date and time of output
/DINSCL=DIN
/INTSCL=Integer
/MAXSCL=Maximum
/NOSCAL=No
AFT24H=After 24 h
AFTOUT=After output
BE=Any
CONV_ERROR=Conversion error.
CONV_OK=Conversion successfull.
CONV_QUEUE=Waiting for conversion
CONV_START=Converting ...
DEFAULT=Default
DE=Default
DIN=DIN-Norm
ERR_CFG_BAD_DATA=Found inconsistent data in the configuration file.
ERR_CFG_ERROR_IN_FILE=The configuration file has an error.
ERR_CFG_KEYW_NOT_FOUND=A key word was not found in the configuration file
.
ERR_CFG_NOT_ENOUGH_DATA=The data in the configuration file is not complet
e.
ERR_CFG_OLD_FORMAT=The configuration file has an old format.
ERR_CFG_OUT_OF_RANGE=A configuration file range was exceeded.
ERR_CFG_SECTION_NOT_FOUND=A section is missing in the configuration file.
ERR_CFG_STR_TOO_LONG=An entry in the configuration file is too large.
ERR_CFG_TOO_MANY_DATA=Configuration file contains too much data.
ERR_NOT_FOUND=Not found
FO=Foil
KU=Colored
LONG_SIDE=long side
NODEL=No deletion
```

Figure 10-4: Example of an Exported Text File Containing Text Items

10.3.2 Importing Text Items from a Text File

To import a text file containing the translated text items proceed as described below, see Figure 10-5:

import

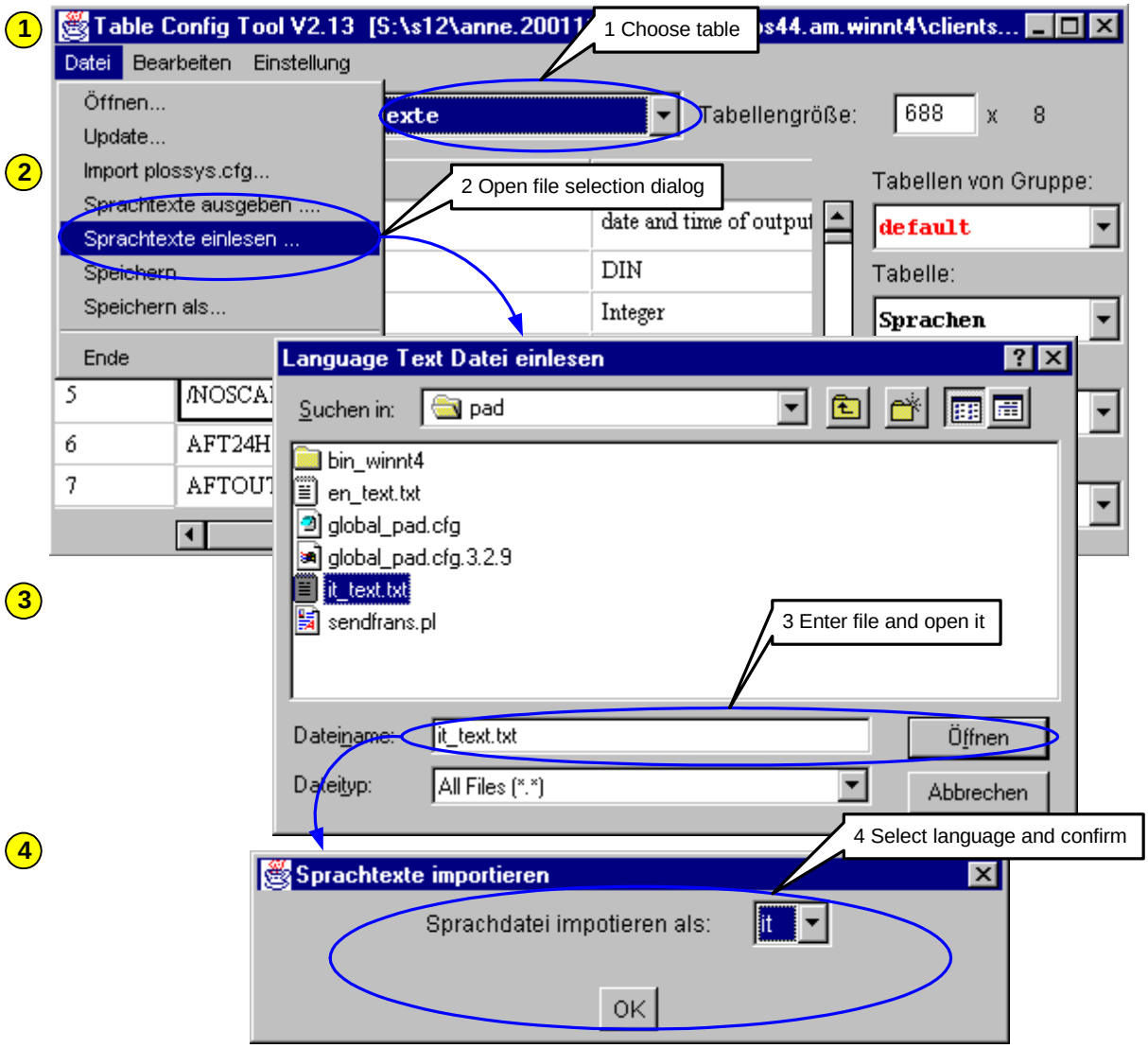


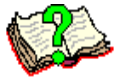
Figure 10-5: Importing the Text Items from a Text File

Open the global PAD configuration file `global_pad.cfg`.

1. In the quick selection menu choose `Sprachtexte` (engl.: `Language items`). Alternatively, choose `Sprachen` (engl.: `Languages`) in the option menu `Tabelle` (engl.: `table`) and `Data` in the option menu `Grundtabelle` (engl.: `Basic table`).
2. Choose `Datei` → `Sprachtexte einlesen...` (engl.: `File` → `Import language items...`).
3. Select the adopted text file in the file selection dialog and open it by clicking `Öffnen` (engl.: `Open`).
4. In the dialog which has been opened choose the language for which the text file has been translated. Confirm your choice by clicking `OK`.

11 Optimizing PAD

The following section offers some possibilities to improve the performance of PAD.



[PAD_TEC] describes more possibilities for optimizing PAD via settings in the configuration file.

11.1 Removing Languages

If starting of the PAD user interface takes a very long time, any languages which are not in use can be removed from the global PAD configuration file `global_pad.cfg`. Proceed as described below, see Figure 11-1:

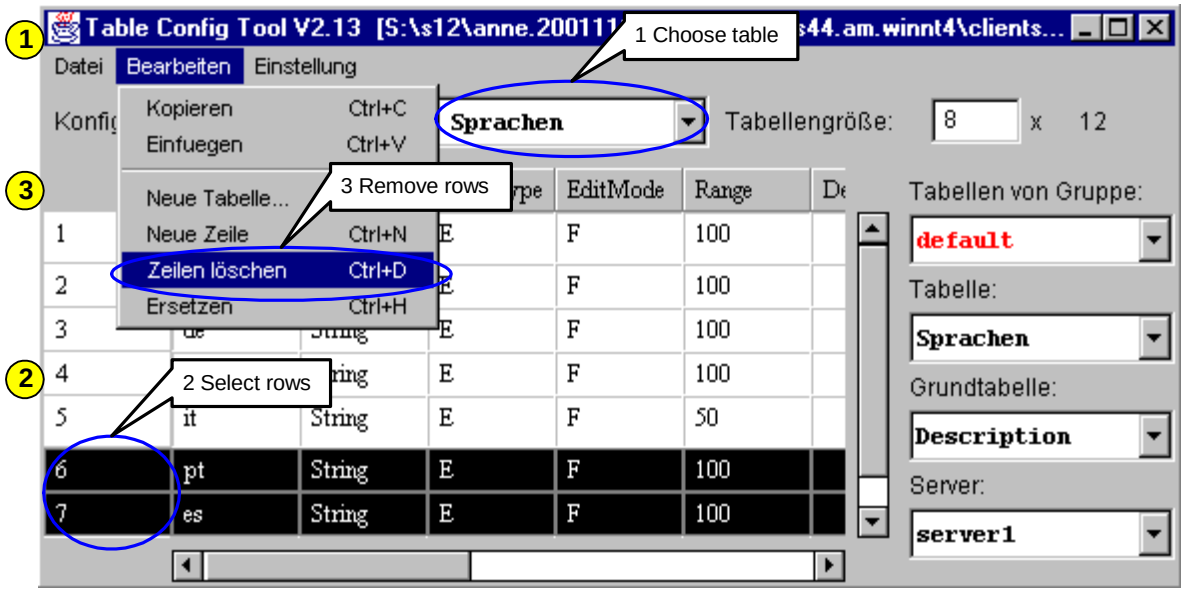


Figure 11-1: Removing Languages from the Configuration

Open the global PAD configuration file `global_pad.cfg`.

1. In the quick selection menu choose `Verfügbare Sprachen` (engl.: `Available languages`). Alternatively, choose `Sprachen` (engl.: `Languages`) in the option menu `Tabelle` (engl.: `table`) and `Description` in the option menu `Grundtabelle` (engl.: `Basic table`) .
2. In the table, select the rows containing the languages that you do not need.
3. Delete the rows by choosing `Bearbeiten` → `Zeilen löschen` (engl.: `Edit` → `Delete lines`).

Automatically, the entries of the corresponding languages are also removed from the data table of the PAD table 4 `Sprachen` (engl.: `Languages`). Because the `global_pad.cfg` normally is significant smaller now, reading of the configuration at starting PAD is much faster.

11.2 Restricting Number of Sent Jobs

Job Information

In the `Job Information` view the number of the displayed sent jobs can be set. Because all parameters of these jobs are stored, a large amount of jobs can possibly have negative effects on the performance of the processing. For changing the configured number proceed as described below, see Figure 11-2:

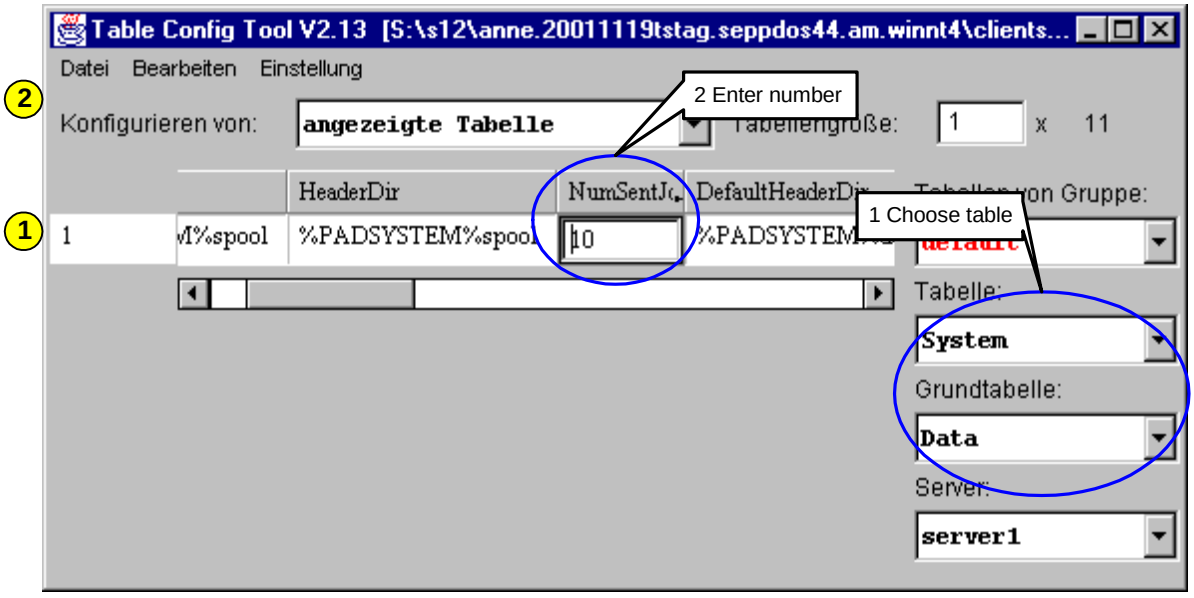


Figure 11-2: Changing the Number of Sent Jobs

Open the global PAD configuration file `global_pad.cfg`.

1. Choose `System` in the option menu `Tabelle` (engl.: `table`) and `Data` in the option menu `Grundtabelle` (engl.: `Basic table`).
2. Enter in the `NumSentJobs` column the desired maximum number of sent jobs which are displayed in the `Job Information` view.

11.3 Activating Internal Transmission via FRANS

In new PAD installations the internal transmission via FRANS is already default.

improved status messages

In PAD 3.2.5 or later, job files can be transmitted to the PLOSSYS netdome server by internal transmission via FRANS. Thus one script call is not necessary any more and also the feedback messages of current status and errors were improved. Additionally, it is now possible to receive processing messages in the status line of PAD during the transmission to the PLOSSYS netdome server.

Configuring the internal FRANS-transmission instead of the previous used script-transmission proceed as described below, see Figure 11-3:

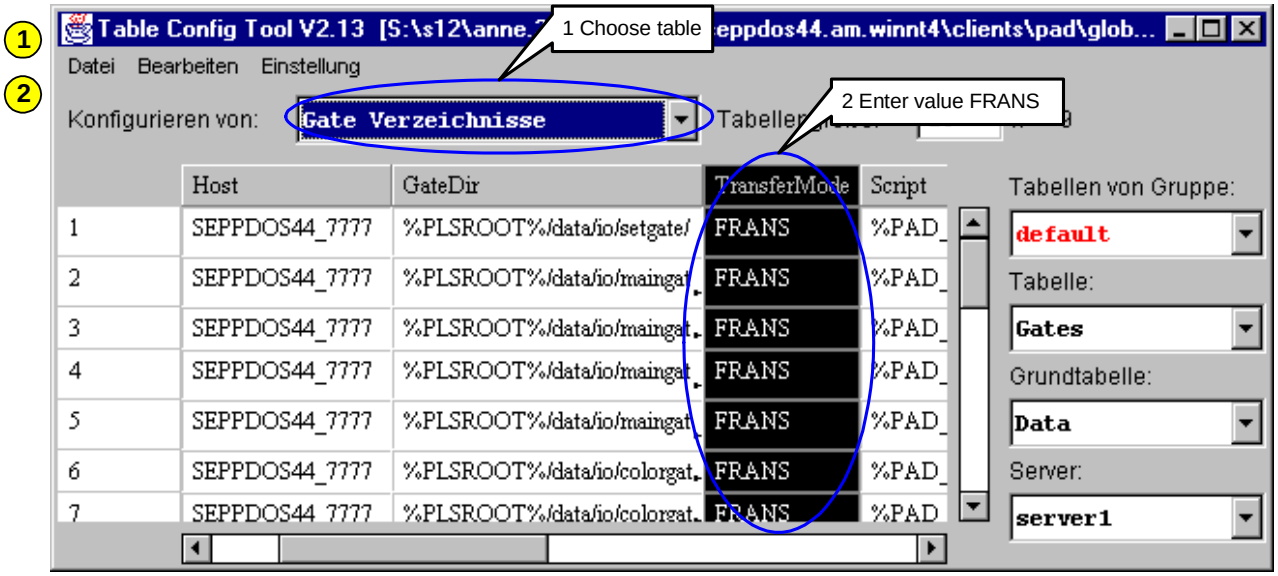


Figure 11-3: Activating the Internal Transmission via FRANS

Open the global PAD configuration file `global_pad.cfg`.

1. Choose `Gate Verzeichnisse` (engl.: `Gate directories`) in the quick selection menu.
2. Enter the value `FRANS` in the `TransferMode` column.

Changing this entry viewing of the jobs already output is also possible via FRANS if no web-server is available.

Appendix A Overview of the PAD-Tables

Table 11-1 provides an overview of the PAD tables that can be found in the PAD configuration file. See [PAD_TEC] for a more detailed description of these tables.

CTID	Name	Description	Configuration Required?
2	Serverliste (engl: Server list)	PLOSSYS netdome connections for PAD	Always (Data)
6	Gates	Job input directory paths on the PLOSSYS netdome servers, transfer mode and previewer call up for the jobs already output	Always (Data)
7	Grafiktypen (engl: Graphic types)	Definition of known graphic types and execution of the associated previewer	As necessary (Data)
1	Gruppen (engl: Groups)	PAD groups definition and the assignment of users to the groups	As necessary (Data)
4	Sprachen (engl: Languages)	Designations used on the desktop	As necessary (Desc, Data)
9	System	PAD system settings; path, directories, or PAD gate	As necessary (Data)
11	Einzelauftrag (engl: Single Job)	All parameters belonging to a job; this table can be expanded as required.	As necessary (Desc, Layout)
17	Auftragsinfo (engl: Job info)	Parameters displayed in the Job Information view	As necessary (Desc, Layout)
22	Dateiauswahl (engl: File selection)	Predefined directories and default settings for file selection	As necessary (Data)
25	Menüerweiterung (engl: Menu expansion)	Appearance of expansions on the menu, starting external programs from the menu, etc	As necessary (Data)
10	Plotter	User defined printer list	As necessary (Data)
15	Dateistruktur (engl: Directory structure)	Job file properties; name, type, size	never
19	Warteschlange (engl: Queue)	List of PLOSSYS jobs in the queue	never
21	Plotterstatus (engl: Plotter status)	List of printers available on the individual servers, together with printer name, status, number of jobs	never

Table 11-1: Overview of the PAD Tables

List of Figures

Figure 3-1: Opening Global PAD Configuration File global_pad.cfg 7
Figure 4-1: Interface and Components of PAD KonfigTool 9
Figure 4-2: Example of a Selected Table Row 11
Figure 4-3: Example of an Opened Option Menu in a Table Element 12
Figure 4-4: Dialog `Suchen und ersetzen` (engl.: `Search and replace`) 13
Figure 5-1: Updating an Existing global_pad.cfg 15
Figure 6-1: PAD Table 2 `Serverliste` (engl.: `Server list`) if no Server Is Configured .. 17
Figure 6-2: Importing plossys.cfg 18
Figure 6-3: PAD Table 2 `Serverliste` (engl.: `Server list`) after Importing plossys.cfg . 19
Figure 6-4: PAD Table 4 `Gates` after Importing plossys.cfg 20
Figure 6-5: PAD Table 7 `Grafiktypen` (engl.: `Graphic types`) after Importing plossys.cfg21
Figure 6-6: Removing Server from the PAD Configuration 22
Figure 6-7: Removing Gates from the PAD Configuration 23
Figure 6-8: Changing Server Name - Step 1 24
Figure 6-9: Changing Server Name - Step 2 25
Figure 6-10: Changing the Displayed Server Name 26
Figure 6-11: Configuring *-Update 27
Figure 7-1: PAD User Interface With Table and Parameter Window 32
Figure 7-2: Part of the Description Table of PAD Table 10 `Plotter` 33
Figure 7-3: Part of a Layout Table of PAD Table 21 `Plotterstatus` 37
Figure 7-4: Inserting New Job Parameter 39
Figure 7-5: Customizing the Layout Table of a Job Parameter 40
Figure 7-6: Entering Text Key with Translations in Several Languages 41
Figure 8-1: Initializing the Default Printer 46
Figure 9-1: Format of the Saved Window Properties 47
Figure 9-2: Configuring Window Properties 48
Figure 10-1: Inserting a New Text Item 50
Figure 10-2: Inserting a New Language 51
Figure 10-3: Exporting the Text Items in a Text File 53
Figure 10-4: Example of an Exported Text File Containing Text Items 54
Figure 10-5: Importing the Text Items from a Text File 55
Figure 11-1: Removing Languages from the Configuration 57
Figure 11-2: Changing the Number of Sent Jobs 58
Figure 11-3: Activating the Internal Transmission via `FRANS` 59

List of Tables

Table 1-1: Typographical Conventions Employed in this Documentation 2
Table 1-2: Pictograms Employed in this Documentation 2
Table 2-1: Files Contained in the PAD KonfigTool Installation 5
Table 4-1: Assignment of Menu Items to Key Combinations 10
Table 7-1: Columns of the Description Table 36
Table 7-2: Columns of Layout Table 38
Table 7-3: Most Important Modifications of Job Parameters 43
Table 11-1: Overview of the PAD Tables 60

Bibliography

[PAD_ONL] *PAD*, User Manual, SEAL Systems

[PAD_TEC] *PAD*, System Description, SEAL Systems

Terminology

The following section explains the most important terms that are used in this documentation. Terms identified by → refer to other terms in this section.

Data table	Basic table of the →PAD table
Default header	→job header with presets for the →header entries
Description table	Basic table of the →PAD table
Gate	Job input for PLOSSYS netdome, PAD or `padcli`. In PLOSSYS netdome, there is a separate gate for each graphic format supported by PLOSSYS netdome. It consists of 1. the →gate directory, 2. the →gate process and 3. the →gate converter. Special gates: →main gate, →set gate, →star gate
Gate converter	The format converter called up by the →gate process
Gate directory	File directory into which incoming →jobs are copied.
Gate process	Process which converts the image files into another graphic format, and then passes them on to be output
Global PAD configuration file	Global configuration file `global_pad.cfg` containing the →PAD tables
Header	File in ASCII format with items for configuring the →job
Header entries	Entry in the →job header which consists of a key word and a value
Infobridge	Program for the version independent communication between PAD and PLOSSYS netdome
Initializing file	Central file `plossys.ini` in the PAD installation directory containing system variables for SEAL Systems products
Job	A document which is to be output by PLOSSYS netdome. A job is accepted, if the following files are copied to the respective →gate directory: 1. graphic file with correct file extension (example: `example.hpgl`) 2. possibly the →job header (example: `example.hed`) 3. possible additional files such as color and pen tables 4. and finally the →trigger file (example: `example.rdy`)
Job input directory	→gate directory
Job parameter	Setting for processing and outputting a →job
Layout table	Basic table of the →PAD table
Local PAD configuration file	Local user-specific configuration file `pad.cfg` containing the →PAD tables
Main gate	All the jobs preprocessed by the other →gates are copied to the main gate directory and are processed further there.
Output job	→job
PAD table	configuration table for the PAD user interface and the processing by PAD; each PAD table consists of three basic tables: →data table, →description table, →layout table.

PLOSSYS netdome configuration file	configuration file `plossys.cfg` in the directory `server/plotserv` containing settings for PLOSSYS netdome
Preview	Display of the contents of a graphic file on the screen
Ready file	→trigger file
Section	Section in a configuration file, e. g. the →PLOSSYS netdome configuration file. A section consists of several items, i. e. key words with respective values
Set collation	Combined set of →jobs
Set header	File with items for configuring the →set collation
Set gate	Special →gate for handling →set collations. Here, the banner and end page are generated and the →set members are copied to the respective →gates.
Set job	→set collation
Set member	→single job which forms part of a →set collation
Single job	→job with one drawing
Single header	→header for a →single job
Star gate	Preset →gate for the automatic distribution of →jobs to the installed →gates
Trigger file	File by means of which the program is informed, that all the data of a →job have been copied to the →gate directory, and that the job can be processed now

Abbreviations

ASCII	American Standard Code for Information Interchange
C907	CalComp-Format 907 (vektor format)
CALS	Computer Aided Acquisition a Logistic Supports
CGM	Computer Graphics Metafile (vector format)
CGP	CADES Format
FRANS	File Transfer Software by SEAL Systems
FTP	File Transfer Protocol
GIF	Graphic Interchange Format
GKS	Graphic Kernel System
GKSM	GKS Metafile (vector format)
GKSMS	GKS Metafile in streamed format
HCBS	Host Computer Basic Software
HPGL	Hewlett-Packard Graphic Language (vector format)
IP	Internet Protocol
IPC	Interprocess Communication
ISO	International Standards Organization
JPEG	Joint Photograhic Experts Group
kNet	Communications software by SEAL Systems on the basis of TCP/IP and DECnet.
PAD	PLOSSYS Print Job Dialog by SEAL Systems
PDF	Adobe Portable Document Format
PLOSSYS®	Plot Spool System by SEAL Systems
PS	Postscript (vector format)
RTL	Raster Transfer Language by Hewlett-Packard
SPL	SEAL Systems Plot Library
TCP	Transmission Control Protocol
TIFF	Tagged Image File Format

Index

Symbols

*-Update 27

A

activate
infoserver registration 30
internal FRANS transmission 59
add job parameter 39
administrator 33
alias padconfig 6
ASCII 66
Auftragsinfo (engl. Job info) 31

B

blank area 31

C

C907 66
CALS 66
CGM 66
CGP 66
change
default 43
displayed name of PLOSSYS netdome server 26
header entry 43
job parameter 43
label 43
name of PLOSSYS netdome server 24
option menu 12
position in parameter window 43
position in table 43
range 43
save 14
table heading 43
table item 12
text item 50
Check 35
check box 34
column
Check 35
DataType 34
Default 35, 43
EditMode 34, 43, 44
FailoverHosts 29
Filter 38
Host 23, 25
Identifier 34, 38, 40, 51
InfoClientUser 30
InfoServerRegistration 30
Key 36, 41, 49, 50
kNetServer 25
LoadBalancing 28
NumSentJobs 58
Plotter 46
PlotterName 46
Position 35, 38, 43
Priority 36
Range 35, 43
RegExp 36
Server 24, 27, 46
ServerName 26, 27
SetParam 34
Sort 46
Special 30, 35, 43
Title 35, 41, 43
TransferMode 59
ViewMode 38, 43
ViewType 34
Width 38
WindowLayout 47, 48
column width 38
combo box 34
config 5
config.bat 5
configuration file
global PAD- 1, 7, 15, 64
local PAD 33, 64
open 7
configuration update 15
configure
default printer 46
failover server 29
job parameter 31
language 51
load balancing server 28
PLOSSYS netdome server 16
CTID 60
Ctrl+C 10
Ctrl+D 10
Ctrl+H 10
Ctrl+N 10
Ctrl+V 10
Ctrl-key 11

D

data table 64
DataType 34
date 34

Default 35, 43
default header 35, 64
default printer 46
  configure 46
default, change 43
description table 33, 64

E

edit field 34
EditMode 34, 43, 44
Einzel/Satz Headereinträge (engl. Single/Set collation header items) 31, 39
export text file 53

F

failover server 18
  configure 29
  import 29
FailoverHosts 29
Filter 38
filter table 38
float 34, 35
FRANS 66
FTP 66

G

gate 64
gate converter 64
gate directory 64
  remove 23
gate process 64
Gate Verzeichnisse (engl. Gate directories) 20, 23, 25, 59
GIF 66
GKS 66
GKSM 66
GKSMS 66
global PAD configuration file 1, 7, 15, 64
global_pad.cfg 1, 7, 15, 64
Grafiktypen (engl. Graphic types) 21

H

HCBS 66
header 64
header entry 64
  change 43
Host 23, 25
HPGL 66

I

Identifier 34, 38, 40, 51
import
  failover server 29
  Infoserver registration 30
  load balancing server 28
  plossys.cfg 19
  text file 53, 55
Infobridge 64
InfoClientUser 30
Infoserver
  activate registration 30
  import registration 30
  register job 30
  user 30
InfoServerRegistration 30
initialize personal printer list 45
initializing file plossys.ini 64
insert text item 50
integer 34, 35
internal FRANS transmission 59
IP 66
IPC 66
ISO 66
ISO Standard 639 41, 50

J

JAVA 1, 5
jctable-classes.zip 5
job 64
  register at Infoserver 30
  view 59
Job Generation 31, 39, 43, 47
Job Information 31, 42, 43, 47, 58
job input directory, see gate directory
job parameter 64
  add 39
  change 43
  configure 31
  data type 34
  default 35
  edit mode 38
  key 36
  label 35
  name 34
  position in the parameter window 35
  position in the table 38
  range 35
  remove 44
  view type 34
JPEG 66

K

Key 36, 41, 49, 50
key combination 10

kNet 66
server 24
kNetServer 25
konfigtool.jar 5

L

label, change 43
language
configure 51
remove 57
layout table 37, 64
lbhosts 18
lbhosts.cfg 18
line number 11
list 34, 35
load balancing server 18
configure 28
import 28
LoadBalancing 28, 29
local PAD configuration file 33, 64

M

main gate 64
menu
Bearbeiten - Einfügen 10, 39
Bearbeiten - Ersetzen 10, 13
Bearbeiten - Kopieren 10, 25, 39
Bearbeiten - Neue Zeile 10, 27, 39, 41, 50, 51
Bearbeiten - Zeilen löschen 10, 22, 23
Configure view 38
Datei - Import plossys.cfg.... 18
Datei - Öffnen... 7
Datei - Speichern 14
Datei - Sprachtexte ausgeben.... 54
Datei - Sprachtexte einlesen.... 55
Datei - Update... 15
File - Settings - Save 47
Sort type 38
modify table 12
multi selection 11
multilingualism 49

N

number of sent job, restrict 58
NumSentJobs 58

O

open configuration file 7
optimize PAD 56
option menu 34
change 12
Grundtabelle (engl. Basic table) 9
Konfigurieren von (engl. Configuration of) 9
Tabelle (engl. Table) 9
Tabellen von Gruppe (engl. tables of group) 9
output job, see job

P

PAD 66
PAD KonfigTool
version 28, 29
PAD table 9, 64
10 Plotter 33, 46
11 Einzelauftrag (engl Single job), description table 31
11 Einzelauftrag (engl. Single job) 43
17 Auftragsinfo (engl. Job info) 42, 43
17 Auftragsinfo (engl. Job info), description table 31
2 Serverliste (engl. Server list) 17, 19, 36
21 Plotterstatus (engl. Plotter status) 37
4 Gates 20
4 Sprachen (engl. Languages) 43, 49
7 Grafiktypen (engl. Graphic types) 21
CTID 60
overview 60
PAD, optimize 56
pad.cfg 33, 64
PAD_LANGUAGE 41, 50
PAD_UPDATE_PLOTTER_LIST 45
padcfgtool 5
padconfig 6
path information 2
PDF 66
performance 58
personal printer list 26
initialize 45
placeholder 31
PLOSSYS 66
PLOSSYS netdome
configuration file 18, 65
failover server 18, 29
lbhosts.cfg 18
load balancing server 18, 28
PLOSSYS netdome server
change displayed name of 26
change name of 24
configure 16
remove 22
plossys.cfg 18, 65
import 19

plossys.ini 64
Plotter 46
PlotterName 46
PLS_DELTYPE 35
PLS_PLOTTER 35
port number 24
Position 35, 38, 43
preview 65
Priority 36
PS 66
pseudo job parameter 31

Q

quick selection menu 9

R

radio button 34
Range 35, 43
range, change 43
ready file, see trigger file
RegExp 36
registration, activate Infoserver 30
remove
  gate directory 23
  job parameter 44
  language 57
  PLOSSYS netdome server 22
replace text 13
restrict number of sent jobs 58
RTL 66

S

save chance 14
search text 13
section 65
selection
  multiple items 11
  table 11
Server 16, 24, 27, 31, 46
server * 27
Serverliste (engl. Server list) 17
ServerName 16, 26, 27, 31
set collation 65
set gate 65
set header 65
set job, see set collation
set member 65
SetParam 34
single header 65
single job 65
Sort 46
sort table 38
Special 30, 35, 43
spin box 34
SPL 66
Sprachtexte (engl. Language items) 54, 55
star gate 65
start 6
string 34, 35
system administrator 1

T

table 9
  change heading 43
  change item 12
  filter 38
  line number 11
  modify 12
  selection 11
  sort 38
TCP 66
text file
  export 53
  format 54
  import 53, 55
text item 15, 50
  change 50
  insert 50
text key 41, 49
text, search and replace 13
TIFF 66
Title 35, 41, 43
title bar 9
TransferMode 59
translation 16, 31
trigger file 65

U

undefined 34
UNIX 1, 6, 48
update configuration 15
usage 8
user 37
  Infoserver 30
user group 9
user interface 9
user specific 15

V

Verfügbare Plot-Server (engl. Available plot servers) 17, 19, 22, 24, 26, 27, 28, 29, 30
Verfügbare Sprachen (engl. Available languages) 51, 57
version of PAD KonfigTool 28, 29

view 42
Job Generation 31, 39, 43, 47
Job Information 31, 43, 47, 58
view job 59
ViewMode 38, 43
ViewType 34

W

Width 38
WindowLayout 47, 48
Windows 1, 6, 48